

BRITISH CHEMICAL AND PHYSIOLOGICAL ABSTRACTS

Foreword.

Section "A" of the abstracts, dealing with pure chemistry and physiology, will be issued to Fellows of the Chemical Society and other subscribers at the end of each month, in three separate sections: A., I, General, Physical, and Inorganic Chemistry and Geochemistry; A., II, Organic Chemistry; A., III, Physiology and Biochemistry. Each section will be paginated separately and have its own monthly author index.

Section "B," covering applied chemistry, will appear at the end of each month, and will be circulated with the *Transactions of the Society of Chemical Industry* to members of that Society and to special subscribers.

The price of the "A" abstracts is £6 per annum, including joint Index, or £2 5s. for section A., I or A., II, and £3 5s. for A., III. The price of the "B" abstracts is £4 per annum, including joint Index. Fellows of the Chemical Society may obtain the "B" abstracts for £1 15s. 0d., whilst Members of the Society of Chemical Industry may obtain the "A" abstracts for £2 15s. 0d. All these prices are post free. [The yearly membership subscriptions are £3 0s. 0d. in the case of the Chemical Society and £2 10s. 0d. in the case of the Society of Chemical Industry.] Copies of "A" or "B" abstracts printed on one side of the paper, and suitable for filing purposes, may be obtained at reasonable charges.

The general basis of classification adopted in the various sections is printed below. For the guidance of readers of "A" abstracts, it should be pointed out that abstracts of analytical papers may be found not only at the end of each section as tabulated below, but sometimes also, when the analytical method described has a very specialised object, in the body of the section, according to the material with which the analytical method deals.

In order to facilitate reference to the "A" abstracts, the appropriate number and letter (I c, IV d, etc.), as shown in the accompanying statement, will be printed at the top of each page on which the respective abstracts appear.

A.—PURE CHEMISTRY AND PHYSIOLOGY.

I. General, Physical, and Inorganic Chemistry.

i. Sub-atomics.

- (a) Atomic spectra. Infra-red, visible, ultra-violet, X-ray emission and absorption spectra, Zeeman and Stark effects. Compton effect.
- (b) Electrical properties: Ionisation potentials of atoms; photo-electric and thermionic effects.
- (c) Properties of electrons, positrons, and gaseous ions. Magnetic properties. Ramsauer effect.
- (d) Isotopes—atomic weights.
- (e) Radioactive processes. Neutrons.
- (f) Other sub-atomic processes. Artificial radioactivity. Nuclear chemistry. Cosmic rays.
- (g) Theories of atomic structure and sub-atomic mechanism.
- (h) Atomic dimensions (except in solid state).

ii. Molecular Structure.

- (a) Molecular spectra: Emission and absorption spectra of organic and inorganic substances. Fluorescence, luminescence, and phosphorescence. Raman effect.
- (b) Ionisation potentials. Photo-electric effect with compounds. Rectifiers.
- (c) Conductivity. Dielectric constants. Dipole moment. Electrets.
- (d) Molecular volumes.
- (e) Optical properties: Molecular refraction, dispersion, rotatory dispersion, optical activity, magnetic rotation. Kerr effect.
- (f) Theories of molecular structure. Valency, secondary valency, including co-ordination, electronic and magnetic theories, constitutional formulae of inorganic substances. Deuterium and its compounds.
- (g) Molecular sizes and forces. Surface tension. Molecular beam. Parachor.

iii. Crystal Structure.

- (a) X-Ray examination.
- (b) Crystal models. X-Ray results for elements and compounds. Electron diffraction.
- (c) Magnetic and electrical properties of crystals: piezo-electricity; magnetostriction; Hall effect; Barkhausen effect; tribo-electricity.
- (d) Optical properties. Rotatory dispersion.
- (e) Compressibility. Tensile strength. Plasticity.
- (f) Mesomorphic state; allotropy; monotropy.

iv. Physical Properties of Pure Substances (not included above).

- (a) Molecular weights.
- (b) Electrical constants: Conductance, superconductivity, thermoelectric power, light-sensitivity, etc. Magnetic susceptibility. Sonic properties.
- (c) Optical constants.
- (d) Thermal constants: Specific heats, heat of change of state, boiling points, freezing points, transition points.
- (e) Chemical constants.
- (f) Pressures and volumes: Density, vapour pressure, coefficient of expansion, equations of state, theory of corresponding states, critical state. Heat-conductivity. Thermal accommodation. Joule-Thomson effect.
- (g) Compressibility.
- (h) Viscosity; fluidity; plasticity.
- (i) Diffusion.

v. Solutions and Mixtures.

- (a) Gaseous mixtures, liquid mixtures (excluding dilute solutions), solid solutions (including alloys), property-composition curves.
- (b) Miscibility of liquids and of solids. Solubility of gases and solids in liquids.

- (a) Equilibrium in homogeneous systems; equilibrium, dissociation, ionisation constants, activity coefficients, etc.
- (b) Equilibrium in heterogeneous systems; uni- and multi-component systems; phase rule.
- (c) Thermochemistry.

- (a) Electrical conductance.
- (b) Transport phenomena.
- (c) Electrode and diffusion potentials; e.m.f., concentration cells, etc.
- (d) Polarisation, overvoltage, passivity, etc.
- (e) Application of electrochemical methods.

(a) Velocity studies in (i) Homogeneous systems; (ii) Heterogeneous systems.
 (b) Catalysed reactions: (i) and (ii) as above.
 (c) Electrode reactions.
 (d) Photochemical reactions.
 (e) Irradiated reactions.

XII. *Lecture Experiments and Historical.*

- (a) Hydrocarbons and their halogen, nitro-, and nitroso-derivatives.
- (b) Alcohols. Ethers. Alkyl salts. Sulphur compounds, including sulphonic acids.
- (c) Acids. Thio- and sulpho-acids.
- (d) Aldehydes. Aldoximes.
- (e) Ketones and diketones. Ketoximes.
- (f) Sugars, glucosides, and carbohydrates.
- (g) Amines. Amino-alcohols. Amino-acids. Cyano-acids, thiocyno-acids. Amino-aldehydes and -ketones.
- (h) Amides (including cyanic, cyanuric, and thiocyanic acids).
- (i) Nitriles, carbylamines, metallic cyanides.
- (j) Amidoximes, imino-ethers.
- (k) Diazo-compounds.
- (l) Phosphorus, arsenic, antimony, boron, silicon, etc: compounds.
- (m) Aliphatic organo-metallie compounds.

- (a) Hydrocarbons C_nH_{2n} to C_nH_{2n-6} , and their halogen, nitroso-, and nitro-derivatives. Sulphonic acids.
- (b) Hydrocarbons C_nH_{2n-8} to C_nH_{2n-4} and derivatives.
- (c) Amines. Includes anilides of aliphatic acids, carbamides, carbamates, and sulphonic acids. Diamines and polyamines.
- (d) Azoxy-compounds.
- (e) Azo- "
- (f) Hydrazo- "
- (g) Diazo- "
- (h) Diazoamino- "
- (i) Phenols and their substitution products; phenol ethers; aminophenols; thiophenols; sulphides; sulphonic acids.
- (j) Alcohols; amino-alcohols; di- and tri-arylcarbinols and their derivatives; sterols.
- (k) Carboxylic acids; includes nitriles of the respective acids, amides, and hydrazides; substitution products.
- (l) Aldehydes and their derivatives.
- (m) Ketones " "
- (n) Quinones; benzoquinone, naphthaquinone, anthraquinone, and others; their substitution derivatives
- (o) Terpenes.

- (a) Oxygen ring compounds.
- (b) Sulphur ring compounds.
- (c) Compounds containing both O and S rings.
- (d) Nitrogen ring compounds : one N. more than one N.
- (e) " " " " " "
- (f) Rings containing O " and N, S and N, etc.
- (g) Alkaloids.
- (h) Organo-metallic compounds.
- (i) Proteins.

- (b) Blood and lymph.
- (c) Vascular system.
- (d) Respiration and blood gases.
- (e) Muscle.
- (f) Nervous system.
- (g) Special senses.
- (h) Ductless glands, excluding gonads.
- (j) Reproduction, heredity, and experimental embryology.
- (k) Digestive system.
- (l) Liver and bile.
- (m) Kidney and urine.
- (n) Other organs and tissues; body-fluids. Tumours.
- (o) Nutrition and vitamins.
- (p) Metabolism, general and special.
- (q) Pharmacology and toxicology.
- (r) Industrial physiology and hygiene.
- (s) Radiations.
- (t) Physical and colloidal chemistry.
- (u) Enzymes.
- (v) Microbiological and immunological chemistry.
- (w) Plant physiology.
- (x) Plant constituents.
- (y) Apparatus and analytical methods.

- I. General; Plant; Machinery.
- II. Fuel; Gas; Tar; Mineral Oils.
- III. Organic Intermediates.
- IV. Dyestuffs.
- V. Fibres; Textiles; Cellulose; Paper.
- VI. Bleaching; Dyeing; Printing; Finishing.
- VII. Acids; Alkalis; Salts; Non-Metallic Elements.
- VIII. Glass; Ceramics.
- IX. Building Materials.
- X. Metals; Metallurgy, including Electrometallurgy.
- XI. Electrotechnics.
- XII. Fats; Oils; Waxes.

- XIII. Plastics; Resins; Paints; Coating Compositions.
- XIV. India-rubber; Gutta-Percha.
- XV. Leather; Gluo.
- XVI. Agriculture.
- XVII. Sugars; Starches; Gums.
- XVIII. Fermentation Industries.
- XIX. Foods.
- XX. Medicinal Substances; Essential Oils.
- XXI. Photographic Materials and Processes.
- XXII. Explosives; Matches.
- XXIII. Sanitation; Water Purification.

LIST OF ABBREVIATIONS ETC. USED IN ABSTRACTS.

| | | | | | |
|---------------------------------|----------|---------------------------------|----------|----------------------------------|-----------|
| absolute | abs. | electromotive force | o.m.f. | parts per million | p.p.m. |
| alternating current | a.c. | electron-volt(s) | e.v. | per cent. | % |
| ampere | amp. | equivalent | equiv. | potential difference | p.d. |
| Ångström unit | Å. | feet, foot | ft. | precipitate | ppt. |
| anhydrous | anhyd. | for example | e.g. | precipitated | pptd. |
| approximat-e, -ly | approx. | freezing point | f.p. | precipitating | pptg. |
| aqueous | aq. | gallon(s) | gal. | precipitation | pptn. |
| Assignor } in patent titles { | Assr. | gram(s) | g. | preparation | prep. |
| Assignee } only { | Assee. | horse power | h.p. | qualitative | qual. |
| atmosphere, -es, -ic | atm. | hour(s) | hr. | quantitative | quant. |
| atomic | at. | hydrogen-ion concentration [H'] | [H'] | recrystallised | recryst. |
| atomic weight | at. wt. | inch(es) | in. | refractive index | n |
| boiling point | b.p. | inorganic | inorg. | relative humidity | R.H. |
| British thermal unit | B.Th.U. | insoluble | insol. | respiratory quotient | R.Q. |
| calculated | calc. | kilogram(s) | kg. | revolutions per minuto | r.p.m. |
| Calorie (large) | kg.-cal. | kilovolt(s) | kv. | Roentgen unit | r. |
| calorie (small) | g.-cal. | kilowatt(s) | kw. | saponification value | sap. val. |
| candle power | c.p. | litre(s) | l. | second(s) (time only) | sec. |
| centimetre | cm. | maximum | max. | †secondary | sec. |
| coefficient | coeff. | melting point | m.p. | soluble | sol. |
| concentrated | conc. | metre(s) | m. | specific | sp. |
| concentration | concn. | micron(s) | μ. | specific gravity | sp. gr. |
| constant | const. | milliampere(s) | ma. | square centimetre(s) | sq. cm. |
| corrected | corr. | milligram(s) | mg. | temperature(s) | temp. |
| critical | crit. | millilitre(s) | ml. | †tertiary | tert. |
| crystalline | cryst. | millimetre(s) | mm. | vacuum | vac. |
| crystallised (adjective only) } | | millivolt(s) | mv. | value | val. |
| cubic centimetre(s) | c.c. | minimum | min. | vapour density | v.d. |
| cubic metre(s) | cu.m. | minute(s) | min. | vapour pressure | v.p. |
| current density | c.d. | molecul-e, -ar | mol. | viscosity | η |
| decimetre(s) | dm. | molecular weight | mol. wt. | volt(s) | v. |
| decompos-ing, -ition | decomp. | namely | viz. | volume | vol. |
| density | ρ, d | normal | N. | watt(s) | w. |
| dilute | dil. | number | no. | wave-length | λ |
| direct current | d.c. | organic | org. | weight | wt. |

† The abbreviations for secondary and tertiary are used only in connexion with organic compounds.

In addition, elements, groups, and easily recognised substances are denoted in the text by symbols and formulæ. (In Section A., III this applies only to inorganic compounds, excluding water, and to chloroform and carbon tetrachloride.) "Oleum" is allowed to describe fuming sulphuric acid and "room temp." for "the ordinary temperature." The symbol for 10 Å. is mμ. (not μμ.) and for the International X-ray unit it is X, not XU. The symbol for 10⁻⁶ g. is μg. (not γ).

The following symbols are used except in Section A., III: >, greater than; ≫, much greater than; ≧, not greater than (and <, ≪, < conversely); ∝, (is) proportional to; ~, of the order of, or approximately.

The principal Pharmacopœias are denoted by B.P., U.S.P., and D.A.B., followed in each case by the identifying numeral.

JOURNALS FROM WHICH ABSTRACTS ARE MADE.

The following is a list of the principal Journals from which abstracts are made (directly or indirectly) by the Bureau of Chemical Abstracts. Further information regarding any of these Journals may be obtained from the Secretary of the Bureau.

| ABBREVIATED TITLE. | JOURNAL. | ABBREVIATED TITLE. | JOURNAL. |
|---------------------------------------|--|---|---|
| Abh. Böhm. Akad. . | Abhandlungen der Böhmischen Akademie. | Amer. Ink Maker . | American Ink Maker. |
| Acta Biol. exp., Warsaw | Acta Biologiae experimentalis. | Amer. Paint J. . | American Paint Journal. |
| Acta Bot. Fennica . | Acta Botanica Fennica. | Amer. Potato J. . | American Potato Journal. |
| Acta brev. neerl. Physiol. | Acta Brevia Neerlandica de Physiologia, Pharmacologia, Microbiologia, e.a. | Anal. Asoc. Quím. Argentina | Anales de la Asociación Química Argentina. |
| Acta chir. scand. . | Acta chirurgica Scandinavica. | An. Fac. Cienc. med., La Plata | Anales de la Facultad de Ciencias medicas. |
| Acta int. Union Cancer | Acta Unio Internationalis contra Cancrum. | Anal. Fls. Quím. . | Anales de la Sociedad Española de Física y Química. |
| Acta med. scand. . | Acta medica Scandinavica. | Anal. Inst. invest. oient. teen. | Anales del Instituto de investigaciones científicas y tecnológicas. |
| Acta ophthal., Kbn. . | Acta ophthalmologica. | Analyst . . . | Analyst. |
| Acta paediatr., Stockh. | Acta paediatrica. | Anat. Anz. . . | Anatomischer Anzeiger. |
| Acta Physicochim. U.R.S.S. | Acta Physicochimica U.R.S.S. | Anat. Ber. . . | Anatomischer Berichte. |
| Acta Phytochim. . | Acta Phytochimica. | Anat. Rec. . . | Anatomical Record. |
| Acta psychiat. Kbn. . | Acta psychiatrica et neurologica. | Angew. Bot. . . | Angewandte Botanik. |
| Acta radiol., Stockh. . | Acta radiologica. | Angow. Chem. . . | Angewandte Chemie (changed from Z. angew. Chem. in 1932). |
| Acta Sci. Fennicae . | Acta Societatis Scientiarum Fennicae. | Anilinokras. Prom. . | Anilinokrasotschnaja Promischlennosti. |
| Acta Schol. med. Univ. Kyoto | Acta Scholae Medicinalis Universitatis Imperialis in Kyoto. | Ann. Acad. Brasil. Sci. | Annals da Academia Brasileira de Ciencias. |
| Agric. Eng. . . . | Agricultural Engineering. | Ann. Acad. Sci. Fennica | Annales Academiæ Scientiarum Fennicae. |
| Agric. Gaz. New South Wales | Agricultural Gazette of New South Wales. | Annalen . . . | Justus Liebig's Annalen der Chemie. |
| Agric. J. Brit. Guiana | Agricultural Journal of British Guiana. | Ann. agron. . . | Annales agronomique. |
| Agric. Live-stock India | Agriculture and Live-stock in India. | Ann. Appl. Biol. . | Annals of Applied Biology. |
| Agric. Progr. . . . | Agricultural Progress. | Ann. Bot. . . | Annals of Botany. |
| Agric. Res. Inst., Pusa, Rep. (Bull.) | Agricultural Research Institute, Pusa, Reports and Bulletins. | Ann. di Bot. . . | Annali di Botanica. |
| Aircraft Eng. . . . | Aircraft Engineering. | Annali Chim. Appl. . | Annali di Chimica Applicata. |
| Allgem. Oel-Fett-Ztg. | Allgemeine Oel- und Fett-Zeitung. | Ann. Chim. . . | Annales de Chimie. |
| Allgem. Z. Bierbrau. . | Allgemeine Zeitschrift für Bierbrauerei und Malzfabrikation. | Ann. Chim. Analyt. . | Annales de Chimie Analytique et de Chimie Appliquée. |
| Alumino . . . | Alluminio (Milan). | Ann. Chim. Farm. . | Annales di Chimica Farmaceutica. |
| Aluminium . . . | Aluminium. | Ann. Falsif. . . | Annales des Falsifications. |
| Amer. Dyestuff Rep. | American Dyestuff Reporter. | Ann. Ferm. . . | Annales des Fermentations. |
| Amer. Fert. . . . | American Fertiliser. | Ann. Guébbard-Séverine | Annales Guébbard-Séverine. |
| Amer. Gas Assoc. Month. | American Gas Association Monthly. | Ann. Inst. Anal. Phys. Chim. | Annales de l'Institut d'Analyse Physico-chimique. |
| Amer. Gas J. . . . | American Gas Journal. | Ann. Inst. Pasteur . | Annales de l'Institut Pasteur. |
| Amer. Heart J. . . | American Heart Journal. | Ann. intern. Med. . | Annales internationales de Médecine physique. |
| Amer. Inst. Min. Met. Eng. Publ. | American Institute of Mining and Metallurgical Engineers Publication. | Ann. Mines . . . | Annales des Mines (Paris). |
| Amer. J. Anat. . . . | American Journal of Anatomy. | Ann. Mines Belg. . | Annales des Mines de Belgique. |
| Amer. J. Bot. . . . | American Journal of Botany. | Ann. Oculist., Paris | Annales d'Oculistique. |
| Amer. J. Cancer . . | American Journal of Cancer. | Ann. Off. nat. Comb. liq. | Annales de l'Office nationale des Combustibles liquides. |
| Amer. J. clin. Path. . | American Journal of Clinical Pathology. | Ann. Physik . . . | Annalen der Physik. |
| Amer. J. digest. Dis. Nutr. | American Journal of Digestive Diseases and Nutrition. | Ann. Physiol. Physico-chim. biol. | Annales de Physiologie et de Physico-chimie biologique. |
| Amer. J. Dis. Child. . | American Journal of Diseases of Children. | Ann. Physique . . | Annales de Physique. |
| Amer. J. Hyg. . . . | American Journal of Hygiene. | Ann. R. Staz. Chim. Agrar. Sperim. | Annali della R. Stazione Chimico Agraria Sperimentale di Roma. |
| Amer. J. med. Sci. . | American Journal of Medical Sciences. | Ann. Sect. Platine . | Annales du Secteur Platine et des autres Métaux Précieux. |
| Amer. J. Obstet. Gynec. | American Journal of Obstetrics and Gynecology. | Ann. Sci. . . . | Annals of Science. |
| Amer. J. Ophthal. . | American Journal of Ophthalmology. | Ann. Soc. Sci. Bruxelles | Annales de la Société Scientifique de Bruxelles. |
| Amer. J. Path. . . . | American Journal of Pathology. | Ann. Sperim. Agrar. . | Annali della Sperimentazione Agraria. |
| Amer. J. Pharm. . . | American Journal of Pharmacy. | Ann. sci. Univ. Jassy. | Annales scientifiques de l'Université de Jassy. |
| Amer. J. Physiol. . | American Journal of Physiology. | Ann. Surg. . . . | Annals of Surgery. |
| Amer. J. Psychiat. . | American Journal of Psychiatry. | Apoth.-Ztg. . . . | Deutsche Apotheker-Zeitung. |
| Amer. J. Psychol. . | American Journal of Psychology. | Arb. Biol. Reichanst. Land- u. Forst-wirts. | Arbeiten der Biologisches Reichanstalt für Land- und Forstwirtschaft. |
| Amer. J. Publ. Health | American Journal of Public Health and the Nation's Health. | | |
| Amer. J. Roentgenol. | American Journal of Roentgenology. | | |
| Amer. J. Sci. . . . | American Journal of Science. | | |
| Amer. J. Surg. . . . | American Journal of Surgery. | | |
| Amer. Min. . . . | American Mineralogist. | | |

| ABBREVIATED TITLE. | JOURNAL. | ABBREVIATED TITLE. | JOURNAL. |
|-----------------------------------|---|--|--|
| Arbeitsphysiol. | Arbeitsphysiologie. | Arch. Suikerind. Ned.-Indië | Archief voor de Suikerindustrie in Nederlandsch-Indië. |
| Arb. med. Univ. Okayama | Arbeiten aus der Medizinischen Facultät Okayama (Universität zu). | Arch. Surg., Chicago | Archives of Surgery. |
| Arb. ung. biol. Forsch.-Inst. | Arbeiten des Ungarischen biologischen Forschungs-Institutes, Tihany. | Arch. tech. Mess. | Archiv für technisches Messen. |
| Arch. Anat. | Archivio d'Anatomia. | Arch. Tierernährung u. Tierzucht | Archiv für Tierernährung und Tierzucht. |
| Arch. Anat. micr. | Archives d'Anatomie microscopique. | Arch. Verdaukr. | Archiv für Verdauungskrankheiten mit Einschl. d. Stoffwechselpathologie u. d. Diätetik. |
| Arch. Anat., Strasbourg | Archives d'Anatomie, d'Histologie et d'Embryologie | Arch. Wärmewirts. | Archiv für Wärmewirtschaft. |
| Arch. argent. Neurol. | Archivos argentinos de Neurologia. | Arh. Hemiju | Arhiv za Hemiju i Farmaciju. |
| Arch. Augenheilk. | Archiv für Augenheilkunde. | Arizona Agric. Exp. Sta. Bull. | Arizona Agricultural Experiment Station Bulletin. |
| Arch. Biol. | Archives de Biologie. | Arkiv Kemi, Min., Geol. | Arkiv för Kemi, Mineralogi och Geologi. |
| Arch. Chem. Farm. | Archivum Chemij i Farmacji. | Arg. Inst. Biol. | Arquivos do Instituto Biologico. |
| Arch. Cirug. exp. | Archivos de Cirugia experimental. | Arts et Mét. | Arts et Métiers. |
| Arch. Derm. Syph. | Arch. für Dermatologie und Syphilis. | Arxius | Arxius de l'Escola Superior d'Agricultura, Catalunya. |
| Arch. Derm. Syphilol. | Archives of Dermatology and Syphilology. | Astrophys. J. | Astrophysics Journal. |
| Arch. Dis. Childh. | Archives of Disease in Childhood. | Atti R. Accad. Lincei | See R.C. Atti Acad. Lincei. |
| Arch. Eisenhüttenw. | Archiv. für das Eisenhüttenwesen. | Atti R. Accad. Sci. Torino | Atti della Reale Accademia delle Scienze di Torino. |
| Arch. EntwMech. Org. | Archiv für Entwicklungsmechanik der Organismen. | Austral. J. Exp. Biol. | Australian Journal of Experimental Biology and Medicine. |
| Arch. exp. Path. Pharm. | Archiv für experimentelle Pathologie Pharmakologie. | Austral. J. Pharm. | Australasian Journal of Pharmacy. |
| Arch. exp. Zellforsch. | Archiv für experimentelle Zellforschung, Jena. | Austral. N.Z. J. Surg. | Australian and New Zealand Journal of Surgery. |
| Arch. Farm. sperim. | Archivio di Farmacologia sperimentale e Scienze affini. | Auto. Eng. | Automobile Engineer. |
| Arch. fisiol. | Archivio di Fisiologia. | B.P. | British Patent. |
| Arch. Gewerbepath. | Archiv für Gewerbepathologie und Gewerbehygiene. | Beitr. klin. Chir. | Beiträge zur klinischen Chirurgie. |
| Arch. Hyg. Bakt. | Archiv der Hygiene und Bakteriologie. | Beitr. path. Anat. | Beiträge zur pathologischen Anatomie und zur allgemeinen Pathologie. |
| Arch. intern. Med. | Archives of Internal Medicine. | Bell Syst. tech. J. | Bell System Technical Journal, N.Y. |
| Arch. int. Méd. exp. | Archives internationales de Médecine experimentale. | Ber. | Berichte der deutschen chemischen Gesellschaft. |
| Arch. Int. Pharmacodyn. | Archives internationales de Pharmacodynamic et de Thérapie. | Ber. deut. bot. Ges. | Berichte der deutschen botanischen Gesellschaft. |
| Arch. int. Physiol. | Archives internationales de Physiologie. | Ber. deut. Keram. Ges. | Berichte der Deutschen Keramischen Gesellschaft. |
| Arch. Ist. Biochim. Ital. | Archivio dello Istituto Biochimico Italiano. | Ber. Ges. Kohlentechn. | Berichte der Gesellschaft für Kohlentechnik. |
| Arch. ital. Anat. Embriol. | Archivio Italiano di Anatomia e di Embriologia. | Berg- u. Hüttenm. Jahrb. | Berg- und Hüttenmännisches Jahrbuch der montanistischen Hochschule in Loeben. |
| Arch. Kinderheilk. | Archiv für Kinderheilkunde. | Bergbau | Bergbau. |
| Arch. klin. Chir. | Archiv für klinische Chirurgie. | Ber. Ohara Inst. landw. Forsch. | Berichte des Ohara Instituts für landwirtschaftliche Forschungen. |
| Arch. Kreislaufforsch. | Archiv für Kreislaufforschung. | Ber. Sächs. Akad. Wiss. | Berichte über die Verhandlungen der Sächsischen Akademie der Wissenschaften zu Leipzig. |
| Arch. Mal. Cocur | Archives des Maladies du Coeur, des Vaisseaux et du Sang. | Ber. Ukrain. Wiss. Forsch. physikal. Chem. | Berichte des Ukrainischen Wissenschaftlichen Forschungsinstituts für physikalische Chemie. |
| Arch. med. Hydrol. | Archives of Medical Hydrology. | Berlin. klin. Woch. | Berliner klinische Wochenschrift. |
| Arch. Med. Legal | Archivo de Medicina Legal. | Bied. Zentr. | Biedermann's Zentralblatt. |
| Arch. Mikrobiol. | Archiv für Mikrobiologie. | Bied. Zentr. (Tierernähr.) | Biedermann's Zentralblatt (Tierernährung). |
| Arch. Min. Soc. Sci. Varsovie | Archives de Minéralogie de la Société des Sciences de Varsovie (Archivum Mineralogiczne Towarzystwa Naukowego Warszawskiego). | Biochem. J. | Biochemical Journal. |
| Arch. Néerland. | Archives Néerlandaises de sciences exactes et naturelles. | Biochem. Z. | Biochemische Zeitschrift. |
| Arch. néerland. Physiol. | Archives Néerlandaises de Physiologie de l'Homme et des Animaux. | Biochimia | Biochimia. |
| Arch. néerl. Phon. exp. | Archives néerlandaises de Phonetique experimentale. | Biol. Bull. Wood's Hole | Biological Bulletin of the Marine Biological Laboratory, Wood's Hole, Mass. |
| Arch. Neurol. Psychiat., Chicago. | Archives of Neurology and Psychiatry. | Biol. Méd. | Biologie médicale. |
| Arch. Ophtal., Paris | Archives d'Ophtalmologie. | Biol. Rev. | Biological Reviews. |
| Arch. Ophthal., N.Y. | Archives of Ophthalmology. | Blast Fur. Steel Plant | Blast Furnace and Steel Plant. |
| Arch. Path. | Archives of Pathology. | Board Greenkeeping Res. J. | Board of Greenkeeping Research Journal. |
| Arch. Pediat. | Archives of Pediatrics. | Bodenk. Pflanzenernähr. | Bodenkunde und Pflanzenernährung. |
| Arch. Pflanzenbau | Archiv für Pflanzenbau. | Bol. Acad. Nac. Ciencias, Cordoba | Boletín de la Academia Nacional de Ciencias, Cordoba. |
| Arch. Pharm. | Archiv der Pharmazie. | Bol. Acad. Nac. Med. Buenos Aires | Boletín de la Academia Nacional de Medicina de Buenos Aires. |
| Arch. Protistenk. | Archiv für Protistenkunde. | Bol. Inf. Inst. Nac. Tech. | Boletín de Informaciones Instituto Nacional de Tecnología. |
| Arch. Psychiat. Nervenkr. | Archiv für Psychiatrie und Nervenkrankheiten. | Bol. Soc. Quim. Peru | Boletín de la Sociedad Química del Peru. |
| Arch. Sci. biol., Napoli. | Archivio di Scienze biologiche. | Boll. Chim. farm. | Bollettino Chimico-Farmaceutico. |
| Arch. Sci. biol., U.S.S.R. | Archives des Sciences biologiques. | | |
| Arch. Sci. phys. nat. | Archives des Sciences physique et naturelles. | | |
| Arch. Soc. Sci. méd. biol. | Archives de la Société des Sciences médicales et biologiques de Montpellier. | | |
| Arch. Speech | Archives of Speech. | | |

| ABBREVIATED TITLE. | JOURNAL. | ABBREVIATED TITLE. | JOURNAL. |
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| Boll. Sez. Ital. . . | Bolletino della Sezione Italiana. | Bull. Assoc. tech. Fond. | Bulletin de l'Association technique de Fonderie. |
| Boll. Soc. Geol. Ital. . | Bollettino della Società Geologica Italiana. | Bull. Biol. Méd. exp. U.R.S.S. | Bulletin de Biologie et Médecine expérimentale de l'U.R.S.S. |
| Boll. Soc. Ital. Biol. sperim. | Bollettino della Società Italiana di Biologia sperimentale. | Bull. Chem. Soc. Japan | Bulletin of the Chemical Society of Japan. |
| Boll. Soc. Med.-Chirurg. | Bollettino della Società Medico-Chirurgica, Pavia. | Bull. Dept. Agric. Kenya | Bulletin of the Department of Agriculture of Kenya. |
| Boll. Staz. Sperim. Ind. Carta Fibre Tess. | Bollettino del Reparto Fibre Tessili Vegetali della R. Stazione Sperimentale per le Industrie della Carta e delle Fibre Tessili Vegetali. | Bull. Dept. Agric. S. Africa. | Bulletin of the Department of Agriculture of South Africa. |
| Boll. Off. Staz. Sperim. Ind. Essenze | Bollettino Ufficiale della R. Stazione Sperimentale per l'Industria delle Essenze e dei Derivati dagli Agrumi in Reggio Calabria. | Bull. École franç. Meun. | Bulletin des anciens Elèves de l'Ecole française de Meunerie. |
| Boll. Off. Staz. Sperim. Ind. Pelli | R. Stazione Sperimentale per l'Industria delle Pelli e delle materie concianti, Bollettino Ufficiale. | Bull. Entomol. Res. | Bulletin of Entomological Research. |
| Bonne Terre . . . | La Bonne Terre. | Bull. Forest Exp. Stat. Meguro | Bulletin of the Forest Experiment Station, Meguro, Tokyo. |
| Bot. Archiv . . . | Botanisches Archiv. | Bull. Geol. Soc. Amer. | Bulletin of the Geological Society of America. |
| Bot. Gaz. . . . | Botanical Gazette. | Bull. Histol. Tech. micr. | Bulletin d'Histologie appliquée à la Physiologie et à la Pathologie et de Technique microscopique. |
| Brain | Brain. | Bull. Hyg. Aliment. . | Bulletin de la Société Scientifique d'Hygiène Alimentaire et de l'Alimentation rationnelle de l'Homme. |
| Brass. Malt. . . . | Brasserie et Malterie. | Bull. Imp. Inst. | Bulletin of the Imperial Institute. |
| Brau- n. Malzind. . | Brau- u. Malzindustrie. | Bull. Inst. Metchnikoff | Bulletin de l'Institut Metchnikoff. |
| Braunkohle. . . . | Braunkohle. | Bull. Inst. Min. Met. | Bulletin of the Institution of Mining and Metallurgy. |
| Braunkohlenarchiv . | Braunkohlenarchiv. | Bull. Inst. Phys. Chem. Res. Japan | Bulletin of the Institute of Physical and Chemical Research, Japan (Rikagaku Kenkyujo Ihō). |
| Brennstoff-Chem. . | Brennstoff-Chemie. | Bull. Inst. Pin | Bulletin de l'Institut du Pin. |
| Brennstoff u. Wärme- wirts. | Brennstoff und Wärmewirtschaft. | Bull. Johns Hopkins Hosp. | Bulletin of the Johns Hopkins Hospital. |
| Brewers' J. . . . | Brewers' Journal. | Bull. Math. Phys. Bucarest | Bulletin de Mathématiques et de Physique pure et appliquées de l'Ecole Polytechnique "Roi Carol II" Bucarest. |
| Brit. Dental J. . . | British Dental Journal. | Bull. Mat. Grasses . | Bulletin des Matières Grasses. |
| Brit. Guiana Dept. Agric. Bull. | British Guiana Department of Agriculture Bulletin. | Bull. Nav. Med. Assoc. Japan | Bulletin of the Naval Medical Association, Japan. |
| Brit. J. Anaesth. . | British Journal of Anaesthesia. | Bull. Neurol. Inst. N.Y. | Bulletin of the Neurological Institute of New York. |
| Brit. J. Exp. Path. . | British Journal of Experimental Pathology. | Bull. N.Y. Acad. Med. | Bulletin of the New York Academy of Medicine. |
| Brit. J. Phot. . . | British Journal of Photography. | Bull. Photogrammètrie | Bulletin de Photogrammétrie. |
| Brit. J. phys. Med. . | British Journal of Physical Medicine. | Bull. Rubber Growers' Assoc. | Bulletin of the Rubber Growers' Association. |
| Brit. J. Psychol. . | British Journal of Psychology. | Bull. School Mines and Met., Univ. Missouri | Bulletin of the School of Mines and Metallurgy, University of Missouri. |
| Brit. J. Radiol. . | British Journal of Radiology. | Bull. Sci. pharmacol. | Bulletin des Sciences pharmacologiques. |
| Brit. J. Surg. . . . | British Journal of Surgery. | Bull. Sericult. Japan | Bulletin of Sericulture and Silk Industry, Japan. |
| Brit. J. Tuberc. . . | British Journal of Tuberculosis. | Bull. Soc. chim. . | Bulletin de la Société chimique de France. |
| Brit. J. Urol. . . . | British Journal of Urology. | Bull. Soc. chim. Belg. | Bulletin de la Société chimique de Belgique. |
| Brit. Med. J. . . . | British Medical Journal. | Bull. Soc. Chim. biol. | Bulletin de la Société de Chimie biologique. |
| Brit. Plastics . . | British Plastics and Moulded Products Trader. | Bull. Soc. Chim. Yougoslav. | Bulletin de la Société Chimique du Royaume de Yougoslavie. |
| Bul. Chim. | Buletinul Chimie. | Bull. Soc. d'Encour. . | Bulletin de la Société d'Encouragement pour l'Industrie Nationale. |
| Bul. Chim. Soc. Române | Buletinul de Chimie pura si aplicata al Societatii Române de Chimie. | Bull. Soc. Franç. Min. | Bulletin de la Société Française de Minéralogie. |
| Bul. Soc. Chim. România | Buletinul Societății de Chimie din România. | Bull. Soc. Franç. Phot. | Bulletin de la Société Française de Photographie et de Cinématographie. |
| Bul. Soc. Fiz. România | Buletinul Bilunar al Societății de Fizică din România. | Bull. Soc. Ind. Mulhouse | Bulletin de la Société Industrielle de Mulhouse. |
| Bul. Soc. Române Stiin. | Buletinul Societății Române de Științe. | Bull. Soc. méd. Hôp. Bucarest | Bulletins et Mémoires de la Société Médicale des Hôpitaux de Bucarest. |
| Bull. Acad. Méd. Belg. | Bulletin de l'Académie royale de Médecine de Belgique. | Bull. Soc. Sci. Hyg. aliment. | Bulletin de la Société Scientifique d'Hygiène alimentaire. |
| Bull. Acad. Méd. Paris | Bulletin de l'Académie de Médecine, Paris. | Bull. Union Res. Inst. Cement, U.S.S.R. | Bulletin of the Union Research Institute for Cement, U.S.S.R. |
| Bull. Acad. Méd. Roumanie | Bulletin de l'Académie de Médecine de Roumanie. | Bull. U.S. Geol. Survey | Bulletin of the U.S. Geological Survey. |
| Bull. Acad. Polonaise | Bulletin Internationale de l'Académie Polonaise des Sciences et des Lettres. | Bull. Canada Dept. Mines Publ. | Canada Department of Mines Publications. |
| Bull. Acad. roy. Belg. | Académie royale de Belgique—Bulletin de la Classe des Sciences. | | |
| Bull. Acad. Sci. Agra & Oudh | Bulletin of the Academy of Sciences of Agra and Oudh. | | |
| Bull. Acad. Sci. U.R.S.S. | Bulletin de l'Académie des Sciences de l'Union des Républiques Soviétiques Socialistes. | | |
| Bull. Acad. Sci. Roumaine | Bulletin de la Section Scientifique de l'Académie Roumaine. | | |
| Bull. Agric. Chem. Soc. Japan | Bulletin of the Agricultural Chemical Society of Japan. | | |
| Bull. Agric. Soc. Egypt | Bulletin of the Agricultural Society of Egypt. | | |
| Bull. Amer. Ceram. Soc. | Bulletin of the American Ceramic Society. | | |
| Bull. Assoc. Chim. Suor. | Bulletin de l'Association des Chimistes de Suoerie et de Distillerie. | | |
| Bull. Assoc. franç. Tech. Pétrole. | Bulletin de l'Association française des Techniciens du Pétrole. | | |

| ABBREVIATED TITLE. | JOURNAL. | ABBREVIATED TITLE. | JOURNAL. |
|---------------------------------------|--|---|---|
| Canad. Dairy & Ice Cream J. | Canadian Dairy and Ice Cream Journal. | Cyprus Agric. J. | Cyprus Agricultural Journal. |
| Canad. Chem. | Canadian Chemistry and Process Industries. | Dairy Ind. | Dairy Industry. |
| Canad. J. Res. | Canadian Journal of Research. | Dansk Tidsskr. Farm. | Dansk Tidsskrift for Farmaci. |
| Cancer, Brux. | Le Cancer. | Delaware Agric. Exp. Sta. Bull. | Delaware Agricultural Experiment Station Bulletin. |
| Caoutchouc et Gutta-Percha | Le Caoutchouc et le Gutta-Percha. | Dental Mag. | Dental Magazine and Oral Topics. |
| Cardiologia | Cardiologia. | Dept. Chem. S. Australia, Bull. | Department of Chemistry, South Australia, Bulletins. |
| Cellulosechem. | Cellulosechemie. | Derm. Woch. | Dermatologische Wochenschrift. |
| Cement and Lime Manuf. | Cement and Lime Manufacture. | Dent. med. Woch. | Deutsche medizinische Wochenschrift. |
| Céramique | Céramique Verrerie Emallerie. | Deut. Parfümerie-Ztg. | Deutsche Parfümerie Zeitung. |
| Cereal Chem. | Cereal Chemistry. | Deut. Zuckerind. | Die Deutsche Zuckerindustrie. |
| Chaleur et Ind. | Chaleur et Industrie. | Drugs, Oils and Paints | Drugs, Oils and Paints. |
| Ch. Abs. | Chemical Abstracts. | Dtsch. Arch. klin. Med. | Deutsches Archiv für klinische Medizin. |
| Chem. Age | Chemical Age. | Dtsch. med. Wschr. | Deutsche medizinische Wochenschrift. |
| Chem. App. | Chemische Apparatur. | Dtsch. Tuberk.-Bl. | Deutsches Tuberkulose-Blatt. |
| Chem. Eng. Min. Rev. | Chemical Engineering and Mining Review. | Dtsch. Z. Chir. | Deutsche Zeitschrift für Chirurgie. |
| Chem. Erde | Chemie der Erde. | Dtsch. Z. ges. gerichtl. Med. | Deutsche Zeitschrift für die gesamte gerichtliche Medizin. |
| Chem. Fabr. | Die Chemische Fabrik. | Dtsch. Z. Nervenheilk. | Deutsche Zeitschrift für Nervenheilkunde. |
| Chem. and Ind. | Chemistry and Industry. | Dyestuffs | Dyestuffs. |
| Chem. Ind. | Chemische Industrie. | East Malling Res. Sta., Ann. Repts., etc. | East Malling Research Station, Annual Reports, etc. |
| Chem. Listy | Chomické Listy pro Vědu a Průmysl. Organ de la "Česká chemická Společnost pro Vědu a Průmysl." | Ecology | Ecology. |
| Chem. Met. Eng. | Chemical and Metallurgical Engineering. | Econ. Geol. | Economic Geology. |
| Chem. Obzor | Chemický Obzor. | Econ. Proc. Roy. Dubl. Soc. | Economic Proceedings of the Royal Dublin Society. |
| Chem. Social. Agric. | Chemisation of Socialist Agriculture (U.S.S.R.). | Edinb. Med. J. | Edinburgh Medical Journal. |
| Chem. Trade J. | Chemical Trade Journal. | Elect. Eng. | Electrical Engineering. |
| Chem. Weekblad | Chemisch Weekblad. | Elect. J. | Electrical Journal. |
| Chem.-Ztg. | Chemiker-Zeitung. | Elect. Times | Electrical Times. |
| Chem. Zentr. | Chemisches Zentralblatt. | Empire Cotton Growing Rev. | Empire Cotton Growing Review. |
| Cheshunt Agric. Exp. Sta. Ann. Rep. | Cheshunt Agricultural Experiment Station Annual Reports. | Empire Cotton Growing Rep. Exp. Sta. | Empire Cotton Growing Reports of the Experimental Station. |
| Chim. o l'Ind. | La Chimica o l'Industria. | Empire J. Exp. Agric. | Empire Journal of Experimental Agriculture. |
| Chim. et Ind. | Chimie et Industrie. | Encéphale | Encéphale. |
| Chinese Med. J. | Chinese Medical Journal. | Endocrinol. | Endocrinology. |
| Chinese J. Physics | Chinese Journal of Physics. | Endokrinol. | Endokrinologie. |
| Chinese J. Physiol. | Chinese Journal of Physiology. | Eng. Boiler House Rev. | Engineering and Boiler House Review. |
| Cleveland Clin. Quart. | Cleveland Clinic Quarterly. | Engineer | Engineer. |
| Clin. Sci. | Clinical Science. | Engineering | Engineering. |
| Coal Age | Coal Age. | Eng. and Min. J. | Engineering and Mining Journal. |
| Coal Carbonisation | Coal Carbonisation. | Eng. News-Rec. | Engineering News-Record. |
| Cold Spring Harbor Symp. quant. Biol. | Cold Spring Harbor Symposium of Quantitative Biology. | Enzymologia | Enzymologia. |
| Coll. Czech. Chem. Comm. | Collection of Czechoslovak Chemical Communications. | Ergebn. Physiol. | Ergebnisse der Physiologie. |
| Collegium | Collegium. | Ernährung | Die Ernährung. |
| Coll. Eng. | Colliery Engineering. | Ernähr. Pflanze | Ernährung der Pflanze. |
| Coll. Guard. | Colliery Guardian. | Explosives Eng. | Explosives Engineer. |
| Colorado Agric. Exp. Sta. Bull. | Colorado Agricultural Experiment Station Bulletin. | F.P. | French Patent. |
| Combustion | Combustion. | Facts about Sugar | Facts about Sugar. |
| Comm. Sci. Pract. Brewing | Communications on the Science and Practice of Brewing. | Färber-Ztg. | Deutsche Färber-Zeitung. |
| Comp. Psychol. Monog. | Comparative Psychology Monographs. | Farbe u. Lack | Farbe und Lack. |
| Compt. rend. | Comptes rendus hebdomadaires des Séances de l'Académie des Sciences. | Farben-Chem. | Farben-Chemiker. |
| Compt. rend. Acad. Agric. France | Comptes rendus de l'Académie d'Agriculture de France. | Farben-Ztg. | Farben-Zeitung. |
| Compt. rend. Acad. Sci. U.R.S.S. | Comptes rendus de l'Académie des Sciences de l'U.R.S.S. | Farm. in S. Africa | Farming in South Africa. |
| Compt. rend. Soc. Biol. | Comptes rendus des Séances de la Société de Biologie. | Farve og Lak | Farve og Lak. |
| Compt. rend. Trav. Lab. Carlsberg | Comptes rendus des Travaux du Laboratoire Carlsberg. | Faserforsch. | Faserforschung. |
| Contr. Boyce Thompson Inst. | Contributions from Boyce Thompson Institute. | Fermentforsch. | Fermentforschung. |
| Contr. Canad. Biol. | Contributions to Canadian Biology. | Fert. Feeding Stuffs J. | Fertiliser, Feeding Stuffs and Farm Supplies Journal. |
| Cornell Univ. Agric. Exp. Sta. Bull. | Cornell University Agricultural Experiment Station Bulletin. | Fette u. Seifen | Fette und Seifen. |
| Cuore Circol. | Cuore e Circolazione. | Feuerfest | Feuerfest. |
| Current Res. Anesth. | Current Researches in Anesthesia and Analgesia. | Feuerungstech. | Feuerungstechnik. |
| Current Sci. | Current Science. | Finska Kem. Medd. | Finska Kemistisamfundets Meddelanden (Suomen Kemistiseuran Tiedonantoja). |
| | | Flora | Flora. |
| | | Florida Agric. Exp. Sta. Bull. | Florida Agricultural Experiment Station Bulletin. |
| | | Folia Biol. | Folia Biologica. |
| | | Folia endocrinol. japon. | Folia endocrinologica japonica. |
| | | Folia Haemat., Lpz. | Folia Haematologica. |
| | | Folia pharmacol. japon. | Folia pharmacologica. |
| | | Food | Food. |

| ABBREVIATED TITLE. | JOURNAL. | ABBREVIATED TITLE. | JOURNAL. |
|-------------------------|--|----------------------------|--|
| Food Manuf. . . . | Food Manufacture. | Int. Rev. Agric. . . . | International Review of Agriculture. |
| Food Res. | Food Research. | Int. Sugar J. | International Sugar Journal. |
| Forstarchiv | Forstarchiv. | Iowa State Coll. J. . . | Iowa State College Journal of Science. |
| Foundry Trade J. . . | Foundry Trade Journal. | Sci. | |
| Frankf. Z. Path. . . | Frankfurter Zeitschrift für Pathologie. | Iron Age | Iron Age. |
| Fruit Prod. J. . . . | Fruit Products Journal. | Iron Coal Tr. Rev. . . | Iron and Coal Trades Review. |
| Fuel | Fuel in Science and Practice. | Iron Steel Eng. | Iron and Steel Engineering. |
| Fuel Econ. | Fuel Economist. | Iron Steel Ind. | Iron and Steel Industry. |
| Fuel Econ. Rev. . . | Fuel Economy Review. | Iron Steel Inst. Car- | Iron and Steel Institute, Carnegie |
| Fukuoka Acta med. . | Fukuoka Acta medica. | negie Schol. Mem. . . | Scholarship Memoirs. |
| G.P. | German Patent. | J.C.S. | Journal of the Chemical Society. |
| Gann | Gann. | Jahrb. geol. Reichs- | Jahrbuch der geologischen Reichsanstalt. |
| Gartenbauwiss. . . | Gartenbauwissenschaft. | anst. | |
| Gas Age-Rcc. . . . | Gas Age-Record. | Jb. Kinderheilk. . . . | Jahrbuch für Kinderheilkunde. |
| Gas Ind. | Gas Industry. | Jahrb. Min. | Neues Jahrbuch für Mineralogie, Geologie und Paläontologie. |
| Gas J. | Gas Journal. | Jahrb. Min. Beil.-Bd. . | Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, Beilage-Band. |
| Gas Oil Power . . . | Gas and Oil Power. | Jb. Psychiat. Neurol. . | Jahrbucher für Psychiatric und Neurologie. |
| Gas Times | Gas Times. | Jahrb. Radioaktiv. . . | Jahrbuch der Radioaktivität und Elektronik. |
| Gas- u. Wasserfach . | Gas- und Wasserfach. | Jahrb. wiss. Bot. . . . | Jahrbuch für wissenschaftliche Botanik. |
| Gas World | Gas World. | Jap. J. exp. Med. . . . | Japanese Journal of Experimental Medicine. |
| Gazzetta | Gazzetta chimica italiana. | Jap. J. Gastroenterol. . | Japanese Journal of Gastroenterology. |
| Geneesk. Tijds. Ned.- | Geneeskundig Tijdschrift voor Neder- | Japan. J. Med. Sci. . . | Japanese Journal of Medical Sciences. |
| Ind. | landsch-Indië. | Jap. J. Obstet. Gynec. . | Japanese Journal of Obstetrics and Gynecology. |
| Gen. Elect. Rev. . . | General Electric Review. | Japan. J. Physics . . . | Japanese Journal of Physics. |
| Génie Civil | Génie Civil. | Japan Nickel Rev. . . . | Japan Nickel Review. |
| Geol. Mag. | Geological Magazine. | Jernkont. Ann | Jernkontorets Annaler. |
| Georgia Agric. Exp. . | Georgia Agricultural Experiment Station | J. acoust. Soc. Amer. . | Journal of the Acoustical Society of America. |
| Sta. Bull. | Bulletin. | J. Agric. Chem. Soc. . | Journal of the Agricultural Chemical Society of Japan. |
| Gerber | Der Gerber. | J. Agric. Res. | Journal of Agricultural Research. |
| Ges. Abh. Kennt. . . | Gesammelte Abhandlungen der Kennt- | J. Agric. Sci. | Journal of Agricultural Science. |
| Kohle | nis der Kohle. | J. Allergy | Journal of Allergy. |
| Gesundheitsing. . . | Gesundheitsingenieur. | J. Amer. Ceram. Soc. . | Journal of the American Ceramic Society. |
| Giesserei | Die Giesserei. | J. Amer. Chem. Soc. . | Journal of the American Chemical Society. |
| Glashütte | Die Glashütte. | J. Amer. Leather . . . | Journal of the American Leather Chemists' Association. |
| Glass Ind. | Glass Industry. | J. Amer. Med. Assoc. . | Journal of the American Medical Association. |
| Glastechn. Ber. . . | Glastechnische Berichte. | J. Amer. Pharm. . . . | Journal of the American Pharmaceutical Association. |
| Glückauf | Glückauf. | J. Amer. Soc. Agron. . | Journal of the American Society of Agronomy. |
| v. Graefes Arch. . . | Albrecht v. Graefes Archiv für Ophthal- | J. Amer. Soc. Mech. . | Journal of the American Society of Mechanical Engineers. |
| molog. | mologie. | J. Amer. Vet. Med. . . | Journal of the American Veterinary Medical Association. |
| Growth | Growth. | J. Amer. Water Works . | Journal of the American Water Works Association. |
| Gummi-Ztg. | Gummi-Zeitung. | J. Annamalai Univ. . . | Journal of the Annamalai University. |
| Guy's Hosp. Rep. . . | Guy's Hospital Reports. | J. Anat., London . . . | Journal of Anatomy. |
| Gynec. Obstét. . . . | Gynécologie et Obstétrique. | J. Appl. Chem. Russia . | Journal of Applied Chemistry, Russia. |
| Haematologica . . . | Haematologica. | J. Appl. Physics . . . | Journal of Applied Physics (formerly Physics). |
| Handl. Ing. Vetensk. . | Handlingar Ingeniörs Vetenskaps Aka- | J. Assoo. Off. Agric. . | Journal of the Association of Official Agricultural Chemists. |
| Akad. | demien. | J. Austral. Inst. Agric. . | Journal of the Australian Institute of Agricultural Science. |
| Hawaii Agric. Exp. . | Hawaii Agricultural Experiment Station | J. Aviation Med. . . . | Journal of Aviation Medicine. |
| Stat. Bull. | Bulletins. | J. Bact. | Journal of Bacteriology. |
| Heat Treat. Drying . | Heat Treating and Drying. | J. belge Gastro- | Journal belge de Gastroenterologie. |
| Heat Treat. Forg. . | Heat Treating and Forging. | enterol. | |
| Helv. Chim. Acta . . | Helvetica Chimica Acta. | J. Biochem. Japan . . | Journal of Biochemistry, Japan. |
| Helv. med. Acta . . . | Helvetica medica Acta. | J. Biol. Board Canad. . | Journal of the Biological Board of Canada. |
| Helv. Phys. Acta . . | Helvetica Physica Acta. | J. Biol. Chem. | Journal of Biological Chemistry. |
| Het Gas | Het Gas. | J. Bd. Greenkeeping . | Journal of the Board of Greenkeeping Research. |
| Hilgardia | Hilgardia. | J. Brit. Dairy Far- | Journal of the British Dairy Farmers' Association. |
| Holz | Holz als Roh- und Werkstoff. | mers' Assoc. | |
| Hosiery Tr. J. . . . | Hosiery Trade Journal. | J. Brit. Wood Pres. . | Journal of the British Wood Preserving Association. |
| Human Biol. | Human Biology. | Assoc. | |
| Hydrochem. Mat. . . | Hydrochemische Materialien. | J. Canad. Med. Assoc. . | Journal of the Canadian Medical Association. |
| Imp. Bur. Soil Sci. . | Imperial Bureau of Soil Science, Technical | | |
| Tech. Comm. | Communications. | | |
| Indian J. Agric. Sci. . | Indian Journal of Agricultural Science. | | |
| Indian J. Med. Res. . | Indian Journal of Medical Research. | | |
| Indian J. Physics . . | Indian Journal of Physics. | | |
| Indian J. Vet. Sci. . . | Indian Journal of Veterinary Science. | | |
| Indian Lac Res. Inst. . | Indian Lac Research Institute Bulletin. | | |
| Bull. | | | |
| Indian Med. Gaz. . . | Indian Medical Gazette. | | |
| India-rubber J. . . . | India-rubber Journal. | | |
| India Rubber World. . | India Rubber World. | | |
| Ind. Chem. | Industrial Chemist. | | |
| Ind. Eng. Chem. . . . | Industrial and Engineering Chemistry. | | |
| Ind. Eng. Chem. . . . | Industrial and Engineering Chemistry, | | |
| (Anal.) | Analytical Edition. | | |
| Ind. Heating | Industrial Heating. | | |
| Ind. y. Quim. | Industria y Química, Revista de la | | |
| | Asociacion Química Argentina. | | |
| Inst. Gas Eng., . . . | Institution of Gas Engineers, Com- | | |
| Comm. | munications. | | |

| ABBREVIATED TITLE. | JOURNAL. | ABBREVIATED TITLE. | JOURNAL. |
|------------------------------------|---|-----------------------------------|--|
| J. Canad. Min. Inst. . | Journal of the Canadian Mining Institute. | J. Hygiene . . . | Journal of Hygiene. |
| J. Cancer Res. Comm. Sydney | Journal of the Cancer Research Committee of the University of Sydney. | J. Immunol. . . | Journal of Immunology. |
| J. Cell. Comp. Physiol. | Journal of Cellular and Comparative Physiology. | J. Indian Chem. Soc. | Journal of the Indian Chemical Society. |
| J. Cellulose Inst. Tokyo | Cellulose Industry, Journal of the Cellulose Institute, Tokyo. | J. Indian Inst. Sci. . | Journal of the Indian Institute of Science. |
| J. Chem. Educ. . | Journal of Chemical Education. | J. Ind. Hyg. . . | Journal of Industrial Hygiene and Toxicology. |
| J. Chem. Eng. China . | Journal of Chemical Engineering, China. | J. Infect. Dis. . . | Journal of Infectious Diseases. |
| J. Chem. Ind. Russ. . | Journal of Chemical Industry, Russia. | J. Inst. Brew. . . | Journal of the Institute of Brewing. |
| J. Chem. Met. Soc. S. Africa | Journal of the Chemical, Metallurgical, and Mining Society of South Africa. | J. Inst. Electr. Eng. . | Journal of the Institution of Electrical Engineers. |
| J. Chem. Physics . | Journal of Chemical Physics. | J. Inst. Fuel . . . | Journal of the Institute of Fuel. |
| J. Chem. Soc. Japan . | Journal of the Chemical Society of Japan. (Nippon Kwagaku Kwai Shi.) | J. Inst. Heat. Vent. Eng. | Journal of the Institution of Heating and Ventilating Engineers. |
| J. Chim. phys. . . | Journal de Chimie physique. | J. Inst. Metals . . | Journal of the Institute of Metals. |
| J. Chinese Chem. Soc. | Journal of the Chinese Chemical Society. | J. Inst. Petroleum Tech. | Journal of the Institution of Petroleum Technologists. |
| J. Chir. Paris . . | Journal de Chirurgie. | J. Inst. Sewage Purif. | Journal of the Institute of Sewage Purification. |
| J. clin. Invest. . . | Journal of Clinical Investigation. | J. int. Chirur. . . | Journal international de Chirurgie. |
| J. Coll. Agric. Hokkaido | Journal of the College of Agriculture, Hokkaido Imperial University, Japan. | J. Iron and Steel Inst. | Journal of the Iron and Steel Institute. |
| J. Coll. Agric. Tokyo . | Journal of the College of Agriculture, Imperial University of Tokyo, Japan. | J. Jamaica Agric. Soc. | Journal of the Jamaica Agricultural Society. |
| J. Coll. Eng. Tokyo . | Journal of the College of Engineering, Imperial University of Tokyo. | J. Jap. Ceram. Assoc. | Journal of the Japanese Ceramic Association. |
| J. Coll. Sci. Tokyo . | Journal of the College of Science, Imperial University of Tokyo. | J. Lab. clin. Med. . | Journal of Laboratory and Clinical Medicine. |
| J. Comp. Psychol. . | Journal of Comparative Psychology. | J. Landw. . . . | Journal für Landwirtschaft. |
| J. Comp. Neurol. . | Journal of Comparative Neurology and Psychology. | J. Marine Biol. Assoc. | Journal of the Marine Biological Association of the United Kingdom. |
| J. Counc. Sci. Ind. Res. Australia | Journal of the Council of Scientific and Industrial Research of Australia. | J. Math. Phys. Mass. Inst. Tech. | Journal of Mathematics and Physics, Massachusetts Institute of Technology. |
| J. Dairy Res. . . | Journal of Dairy Research. | J. Med. Res. . . . | Journal of Medical Research. |
| J. Dairy Sci. . . . | Journal of Dairy Science. | J. ment. Sci. . . . | Journal of Mental Science. |
| J. Dent. Res. . . . | Journal of Dental Research. | J. Milk Tech. . . . | Journal of Milk Technology. |
| J. Dept. Agric. I.F.S. | Journal of the Department of Agriculture of the Irish Free State. | J. Min. Agric. . . . | Journal of the Ministry of Agriculture. |
| J. Dept. Agric. Kyushu | Journal of the Department of Agriculture, Kyushu Imperial University. | J. Min. Agric. N. Ireland | Journal of the Ministry of Agriculture of Northern Ireland. |
| J. Dept. Agric. S. Australia | Journal of the Department of Agriculture South Australia. | J. Morph. | Journal of Morphology. |
| J. Dept. Agric. Victoria | Journal of the Department of Agriculture, Victoria. | J. Mt. Sinai Hosp. . | Journal of the Mount Sinai Hospital, N.Y. |
| J. Dept. Agric. W. Australia | Journal of the Department of Agriculture, Western Australia. | J. Nat. Smoke Abatement Soc. | Journal of the National Smoke Abatement Society. |
| J. Ecology | Journal of Ecology. | J. nerv. ment. Dis. . | Journal of Nervous and Mental Disease. |
| J. Econ. Entomol. . | Journal of Economic Entomology. | J. Neuropsychiol. . | Journal of Neuropsychiology. |
| J. Egypt. Med. Assoc. | Journal of the Egyptian Medical Association. | J. Neurol. Psychiat. . | Journal of Neurology and Psychiatry. |
| J. Electrodep. Tech. Soc. | Journal of the Electrodepositors Technical Society. | J. New England Water Works Assoc. | Journal of the New England Water Works Association. |
| J. Elisha Mitchell Sci. Soc. | Journal of the Elisha Mitchell Scientific Society. | J. New Zealand Inst. Chem. | Journal of the New Zealand Institute of Chemistry. |
| J. Exp. Biol. . . . | Journal of Experimental Biology. | J. Nutrition | Journal of Nutrition. |
| J. Exp. Med. . . . | Journal of Experimental Medicine. | J. Obstet. Gynaec. . | Journal of Obstetrics and Gynaecology of the British Empire. |
| J. exp. Psychol. . . | Journal of Experimental Psychology. | J. Oil Col. Chem. Assoc. | Journal of the Oil and Colour Chemists' Association. |
| J. exp. Zool. . . . | Journal of Experimental Zoology. | J. Opt. Soc. Amer. . | Journal of the Optical Society of America. |
| J. Fac. Eng. Tokyo . | Journal of the Faculty of Engineering, Tokyo. | J. Org. Chem. . . . | Journal of Organic Chemistry. |
| J. Fac. Sci. Hokkaido | Journal of the Faculty of Science Hokkaido Imperial University. | J. orient. Med. . . | Journal of Oriental Medicine, Dairen, S. Manchuria. |
| J. Fac. Sci. Tokyo . | J. Faculty of the Science, Imperial University of Tokyo (formerly J. Coll. Sci. Tokyo). | J. Path. Bact. . . . | Journal of Pathology and Bacteriology. |
| J. Fish. Res. Bd. Canada | Journal of the Fisheries Research Board, Canada. | J. Pediat. | Journal of Pediatrics. |
| J. Franklin Inst. . . | Journal of the Franklin Institute. | J. Pharm. Chim. . . | Journal de Pharmacie et de Chimie. |
| J. Fuel Soc. Japan . | Journal of the Fuel Society of Japan. | J. Pharm. Exp. Ther. | Journal of Pharmacology and Experimental Therapeutics. |
| J. Gen. Chem. Russ. . | Journal of General Chemistry, Russia (formerly J. Russ. Phys. Chem. Soc.). | J. Pharm. Soc. Japan | Journal of the Pharmaceutical Society of Japan. (Yakugakuzasshi.) |
| J. Gen. Physiol. . . | Journal of General Physiology. | J. Physical Chem. . | Journal of Physical Chemistry. |
| J. Gen. Psychol. . . | Journal of General Psychology, Worcester, Mass. | J. Phys. Chem. Russ. | Shurnal Fizitscheskoi Khimii. |
| J. Geol. | Journal of Geology. | J. Physiol. | Journal of Physiology. |
| J. Geol. Soc. Tokyo . | Chishitsugaku Zasshi (Journal of the Geological Society of Tokyo). | J. Physiol. Path. gén. | Journal de Physiologie et de Pathologie générale. |
| J. Hyderabad Geol. Soc. | Journal of the Hyderabad Geological Society. | J. Phys. Radium . . | Journal de Physique et le Radium. |
| | | J. Pomology | Journal of Pomology and Horticultural Science. |
| | | J. pr. Chem. | Journal für praktische Chemie. |
| | | J. Proc. Asiatic Soc. Bengal | Journal and Proceedings of the Asiatic Society of Bengal. |
| | | J. Proc. Austral. Chem. Inst. | Journal and Proceedings of the Australian Chemical Institute. |

| ABBREVIATED TITLE. | JOURNAL. | ABBREVIATED TITLE. | JOURNAL. |
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| J. Proc. Roy. Soc. New South Wales | Journal and Proceedings of the Royal Society of New South Wales. | Koppers Rev. | Koppers Review. |
| J. Psychol. Neurol. . | Journal für Psychologie und Neurologie. | Korros. u. Metall-schutz | Korrosion und Metallschutz. |
| J. Radiol. Electrol. . | Journal de Radiologie et d'Electrologie. | K. Svenska Vet. Akad. Handl. | Kongliga Svenska Vetenskaps Akademiens Handlingar. |
| J. R.A.M.C. | Journal of the Royal Army Medical Corps. | Kunstseide | Kunstseide und Zellwolle. |
| J. Res. Nat. Bur. Stand. | Journal of Research of the National Bureau of Standards. | Kunststoffe | Kunststoffe. |
| J. Roy. Aeronaut. Soc. | Journal of the Royal Aeronautical Society. | Lait | Le Lait. |
| J. Roy. Agric. Soc. . | Journal of the Royal Agricultural Society. | Lancet | The Lancet. |
| J. Roy. Hort. Soc. . | Journal of the Royal Horticultural Society. | Landw. Jahrb. | Landwirtschaftliche Jahrbücher. |
| J. Roy. Microscop. Soc. | Journal of the Royal Microscopical Society. | Landw. Versuchs-Stat. | Die landwirtschaftlichen Versuchs-Stationen. |
| J. Roy. Soc. West Australia | Journal of the Royal Society of West Australia. | Latvij. Univ. Raksti. | Latvijas Universitātes Raksti, Kimijas Fakultātes Serija. |
| J. Roy. Tech. Coll. . | Journal of the Royal Technical College (Glasgow). | Ledertech. Rundsch.. | Ledertechnische Rundschau. |
| J. Rubber Res. | Journal of Rubber Research. | London Shellac Res. Bur., Tech. Paper | London Shellac Research Bureau, Technical Paper. |
| J. Rubber Res. Inst. Malaya | Journal of the Rubber Research Institute of Malaya. | Louisiana Planter . . | Louisiana Planter. |
| J. Sci. Hiroshima Univ. | Journal of Science of the Hiroshima University. | Malay. Agric. J. . . . | Malayan Agricultural Journal. |
| J. Sci. Instr. | Journal of Scientific Instruments. | Maslob. Shir. Delo . . | Masloboino Shirovoo Delo. |
| J. Sci. Tech. India . . | Journal of Science and Technology, India. | Mass. Agric. Exp. Sta. Bull. | Massachusetts Agricultural Experiment Station Bulletin. |
| J. Scot. Met. Soc. . . | Journal of the Scottish Meteorological Society. | Materie Plast. | Materie Plastiche. |
| J. Severance Un. Med. Coll. | Journal of the Severance Union Medical College. | Mech. Eng. | Mechanical Engineering. |
| J. Soc. Arts | Journal of the Royal Society of Arts. | Mech. World | Mechanical World. |
| J. Soc. Auto Eng. . . | Journal of the Society of Automobile Engineers. | Medd. K. Vetenskaps-akad. Nobel-Inst. | Meddelanden från Kongl-Vetenskaps-akademiens Nobel-Institut. |
| J.S.C.I. | Journal of the Society of Chemical Industry. | Med. Ann. Columbia . | Medical Annals of the District of Columbia. |
| J. Soc. Chem. Ind. Japan | Journal of the Society of Chemical Industry, Japan. (Kōgyō Kwagaku Zasshi.) | Med. Doświad. | Medycyna Doświadczalna i Społeczna. |
| J. Soc. Dyers and Col. | Journal of the Society of Dyers and Colourists. | Medical J. Australia . | Medical Journal of Australia. |
| J. Soc. Glass Tech. . . | Journal of the Society of Glass Technology. | Medicine | Medicine. |
| J. Soc. Leather Trades' Chem. | Journal of the International Society of Leather Trades' Chemists. | Mehl u. Brot | Mehl und Brot. |
| J. S. African Chem. Inst. | Journal of the South African Chemical Institute. | Mem. Accad. Lincei . | Memorie della Reale Accademia Nazionale dei Lincei. |
| J. South-East. Agric. Coll. | Journal of the South-Eastern Agricultural College, Wye, Kent. | Mem. Accad. Sci. Torino | Memorie della Reale Accademia delle Scienze di Torino. |
| J. State Med. | Journal of State Medicine. | Mem. Coll. Agric. Kyoto | Memoirs of the College of Agriculture, Kyoto Imperial University. |
| J. Text. Inst. | Journal of the Textile Institute. | Mem. Coll. Sci. Kyoto | Memoirs of the College of Science, Kyoto Imperial University. |
| J. thorac. Surg. . . . | Journal of Thoracic Surgery. | Mem. Dept. Agric. India | Memoirs of the Department of Agriculture in India. |
| J. trop. Med. Hyg. . . | Journal of Tropical Medicine and Hygiene. | Mem. Inst. Chem. Ukrain. Acad. Sci.. | Memoirs of the Institute of Chemistry, Academy of Sciences of the Ukrainian S.S.R. |
| J. Univ. Bombay . . . | Journal of the University of Bombay. | Mem. Manchester Phil. Soc. | Memoirs and Proceedings of the Manchester Literary and Philosophical Society. |
| J. Urol. | Journal of Urology. | Mém. Poudres | Mémorial des Poudres. |
| J. Urol. méd. chir. . . | Journal d'Urologie médicale et chirurgicale. | Mém. Soo. Ing. Civ. France | Mémoires et Compte rendu des Travaux de la Société des Ingénieurs Civils de France. |
| J. Usines Gaz | Journal des Usines à Gaz. | Met. Clean. and Fin.. | Metal Cleaning and Finishing. |
| J. Washington Acad. Sci. | Journal of the Washington Academy of Sciences. | Mét. Corros. | Métaux et Corrosion. |
| J. West Scotland Iron Steel Inst. | Journal of the West of Scotland Iron and Steel Institute. | Metal Ind. (Lond.) . . | Metal Industry. |
| Kali | Kali verwandte Salze und Erdöl. | Metal Ind. (N.Y.). . . | Metal Industry (New York). |
| Kalii | Kalii (Russia). | Metallwirts. | Metallwirtschaft Wissenschaft Technik. |
| Kautschuk | Kautschuk. | Metal Progr. | Metal Progress. |
| Keijo J. Med. | Keijo Journal of Medicine. | Metall u. Erz | Metal and Erz. |
| Kentucky Agric. Exp. Stat. Bull. | Kentucky Agricultural Experimental Station, Bulletin. | Metallges. Rev. | Metallgesellschaft Periodic Review. |
| Keram. Rundsch. . . . | Keramische Rundschau und Kunst-Keramik. | Metallurgia | Metallurgia. |
| Kimya Annali | Kimya Annali. | Met. & Alloys | Metals and Alloys. |
| K. fysiogr. Sällsk. Lund Forh. | Kongliga Fysiografiska Sällskapets i Lund Forhandlingar. | Metals Tech. | Metals Technology. |
| Klin. Monatsbl. Augenheilk. | Klinische Monatsblätter für Augenheilkunde. | Metrop. Water Bd. Rep. | Metropolitan Water Board Reports. |
| Klin. Woch. | Klinische Wochenschrift. | Metro-Vickers Gaz. . . | Metropolitan-Vickers Gazette. |
| Kohle u. Erz | Kohle und Erz. | Meun. Franç. | La Meunerie Française. |
| Koks i Chim. | Koks i Chimia. | Mezőg. Kutat. | Mezőgazdasági Kutatások. |
| Kolloid-Beih. | Kolloid-Beihefte. | Mich. Agric. Exp. Sta. Bull. | Michigan Agricultural Experiment Station Bulletin. |
| Kolloid. Shurn. | Kolloidni Shurnal. | Mikrochem. | Mikrochemie. |
| Kolloid-Z. | Kolloid-Zeitschrift. | Mikrochim. Acta . . . | Mikrochimica Acta. |
| | | Milch. Forsch. | Milchwirtschaftliches Forschungen. |
| | | Milch. Zentr. | Milchwirtschaftliches Zentralblatt. |
| | | Milk Ind. | Milk Industry. |
| | | Milk Plant Month. . . | Milk Plant Monthly. |
| | | Miller | The Miller. |
| | | Mining Tech. | Mining Technology. |

| ABBREVIATED TITLE. | JOURNAL. | ABBREVIATED TITLE. | JOURNAL. |
|---|---|------------------------------------|---|
| Min. Mag. | Mineralogical Magazine and Journal of the Mineralogical Society. | New Zealand J. Sci. | New Zealand Journal of Science and Technology. |
| Min. & Met. | Mining and Metallurgy. | Northw. Med. | Northwest Medicine. |
| Minnesota Med. | Minnesota Medicine. | Nova Acta Soc. Sci. | Nova Acta Regiae Societatis Scientiarum Upsaliensis. |
| Missouri Agric. Exp. Sta. Res. Bull. | Missouri Agricultural Experiment Station Research Bulletin. | Nuovo Cim. | Nuovo Cimento. |
| Mitt. allg. path. Jap. | Mitteilungen über allgemeine Pathologie und pathologische, Anatomie Tohoku University. | Nutr. Abs. | Nutrition Abstracts and Reviews. |
| Mitt. Grenzgeb. Med. Chir. | Mitteilungen aus den Grenzgebieten der Medizin und Chirurgie. | Oberflächentechn. | Oberflächentechnik. |
| Mitt. Kaiser-Wilh. Inst. Eisenforsch. | Mitteilungen aus dem Kaiser-Wilhelm Institut für Eisenforschung zu Düsseldorf. | Obst. u. Gemüsebau. | Der Obst und Gemüsebau. |
| Mitt. Kohlenforschungsinst. Prag | Mitteilungen des Kohlenforschungsinstituts in Prag. | Occas. Papers Riverside Jun. Coll. | Occasional Papers of the Riverside Junior College. |
| Mitt. Kohle- u. Eisenforsch. | Mitteilungen der Kohle- und Eisenforschung G.m.b.H. | Öfvers. Finska Vet.-Soc. | Öfversigt af Finska Vetenskaps-Societätens Förhandlingar, Helsingfors. |
| Mitt. Lebensm. Hyg. | Mitteilungen aus dem Gebiete der Lebensmitteluntersuchungen und Hygiene. | Oel u. Kohle. | Oel und Kohle. |
| Mitt. Materialprüf. | Mitteilungen aus dem Materialprüfungsamte zu Gross-Lichterfelde West. | Ohio Sta. med. J. | Ohio State Medical Journal. |
| Mitt. med. Ges. Tokyo | Mitteilungen der medizinischen Gesellschaft zu Tokyo. | Öle, Fette, Wächse. | Öle, Fette, Wächse, Seife, Kosmetik. |
| Mitt. Path. Inst. K. Univ. Japan | Mitteilungen aus dem pathologischen Institut der Kaiserlichen Universität zu Sendai, Japan. | Österr. Chem.-Ztg. | Österreichische Chemiker-Zeitung. |
| Mitt. Textilforsch. Krefeld | Mitteilungen der Textilforschungsanstalt Krefeld e.V. | Off. Digest. | Official Digest of the Federation of Paint and Varnish Production Clubs. |
| Monatsbull. Schweiz. Ver. Gas- u. Wasserfach. | Schweizerischen Verein von Gas- und Wasserfachmännern, Monats-Bulletin. | Ohio Agric. Exp. Sta. Bull. | Ohio Agricultural Experiment Station Bulletin. |
| Monatsh. | Monatshefte für Chemie und verwandte Teile anderer Wissenschaften. | Oil and Gas J. | Oil and Gas Journal. |
| Mschr. Kinderheilk. | Monatsschrift für Kinderheilkunde. | Oil and Soap. | Oil and Soap. |
| Montana Agric. Exp. Sta. Bull. | Montana Agricultural Experiment Station Bulletin. | Oklahoma Agric. Exp. Sta. Bull. | Oklahoma Agricultural Experiment Station Bulletin. |
| Montan. Rund. | Montanistische Rundschau. | Org. Chem. Ind. Russ. | See Prom. Org. Chim. |
| Month. J. Inst. Metals | Monthly Journal of the Institute of Metals. | Oversigt Danske Vid. Selsk. | Oversigt over det Kongelige Danske Videnskabskabernes Selskabs Forhandlingar. |
| Month. Not. Roy. Astr. Soc. | Monthly Notices of the Royal Astronomical Society, London. | Pacific Pulp and Paper Ind. | Pacific Pulp and Paper Industry. |
| Month. Rep. Dept. Agric. N. Ireland | Monthly Reports of the Department of Agriculture of Northern Ireland. | Paint, Oil, and Chem. Rev. | Paint, Oil, and Chemical Review. |
| Morph. Jahrb. | Morphologisches Jahrbuch, Leipzig. | Paint Manuf. | Paint Manufacture. |
| Mühle | Die Mühle. | Paint Tech. | Paint Technology. |
| Mühlenlab. | Das Mühlenlaboratorium. | Paint and Var. Prod. Man. | Paint and Varnish Production Manager. |
| Münch. med. Woch. | Münchener medizinische Wochenschrift. | Paper | Paper. |
| Nachr. Ges. Wiss. Göttingen | Nachrichten von der Gesellschaft der Wissenschaften zu Göttingen. | Paper Ind. | Paper Industry. |
| Nagoya J. med. Sci. | Nagoya Journal of Medical Science. | Paper-Maker | Paper-Maker and British Paper Trade Journal. |
| Nat. Butter & Cheese J. | National Butter and Cheese Journal. | Paper Mill | Paper Mill. |
| Nat. Paint Var. Assoc. Circ. | National Paint, Varnish, and Lacquer Association, Inc., Circular. | Paper Trade J. | Paper Trade Journal. |
| Nat. Petroleum News. | National Petroleum News. | Papier-Fabr. | Papier-Fabrikant. |
| Nature | Nature. | Pedology | Pedology. |
| Natuurwetensch. Tijds. | Natuurwetenschappelijk Tijdschrift. | Peint., Pig., Ver. | Peinture, Pigment, Vernis. |
| Naturwiss. | Die Naturwissenschaften. | Penn. med. J. | Pennsylvania Medical Journal. |
| Nebraska State Med. J. | Nebraska State Medical Journal. | Perf. & Essent. Oil Rec. | Perfumery and Essential Oil Record. |
| Nervenarzt | Der Nervenarzt. | Petrol. Eng. | Petroleum Engineering. |
| New England J. Med. | New England Journal of Medicine. | Petrol. Times | Petroleum Times. |
| New Hamps. Agric. Exp. Sta. Bull. | New Hampshire Agricultural Experiment Station Bulletin. | Petroleum | Petroleum (German). |
| New Jersey Agric. Exp. Sta. Bull. | New Jersey Agricultural Experiment Station Bulletin. | Pflüger's Archiv | Archiv für die gesamte Physiologie des Menschen und der Tiere. |
| New Orleans Med. J. | New Orleans Medical Journal. | Pharm. Acta Helv. | Pharmaceutisch Acta Helvetica. |
| New Phytol. | New Phytologist. | Pharm. J. | Pharmaceutical Journal. |
| New York Agr. Expt. Sta. Bull. | New York State Agricultural Experiment Station Bulletins. | Pharm. Weekblad | Pharmaceutisch Weekblad. |
| New York (Geneva) Agric. Exp. Sta. Bull. | New York (Geneva) Agricultural Experiment Station Bulletin. | Pharm. Tijds. Nederl.-Indië | Pharmaceutisch Tijdschrift voor Nederlandsch-Indië. |
| N.Y. Sta. J. Med. | New York State Journal of Medicine. | Pharm. Ztg. | Pharmazeutische Zeitung. |
| New Zealand Dominion Laby. Rept. | New Zealand Dominion Laboratory Reports. | Pharm. Zentr. | Pharmazeutische Zentralhalle. |
| New Zealand J. Agric. | New Zealand Journal of Agriculture. | Philippine Agric. | Philippine Agriculturist. |

| ABBREVIATED TITLE. | JOURNAL. |
|------------------------------------|---|
| Planta (Z. wiss. Biol.) | Planta (Zeitschrift für wissenschaftliche Biologie). |
| Plast. Massen . . . | Plastische Massen. |
| Plast. Massi . . . | Plastitschkie Massi. |
| Polielinico . . . | Il Polielinico. |
| Poultry Sci. . . | Poultry Science. |
| Power Plant Eng. . . | Power Plant Engineering. |
| Presse Méd. . . | La Presse médicale. |
| Proc. Acad. Sci. Agra and Oudh | Proceedings of the Academy of Sciences of the United Provinces of Agra and Oudh, India. |
| Proc. Amer. Acad. Arts Sci. | Proceedings of the American Academy of Arts and Sciences. |
| Proc. Amer. Gas Assoc. | Proceedings of the American Gas Association. |
| Proc. Amer. Phil. Soc. | Proceedings of the American Philosophical Society. |
| Proc. Amer. Physiol. Soc. | Proceedings of the American Physiological Society. |
| Proc. Amer. Soc. Biol. Chem. | Proceedings of the American Society of Biological Chemists. |
| Proc. Amer. Soc. Civ. Eng. | Proceedings of the American Society of Civil Engineers. |
| Proc. Amer. Soc. Hort. Sci. | Proceedings of the American Society of Horticultural Science. |
| Proc. Amer. Soc. Test. Mat. | Proceedings of the American Society for Testing Materials. |
| Proc. Austral. Inst. Min. Met. | Proceedings of the Australasian Institute of Mining and Metallurgy. |
| Proc. Camb. Phil. Soc. | Proceedings of the Cambridge Philosophical Society. |
| Proc. Chem. Eng. Group | Proceedings of the Chemical Engineering Group of the Society of Chemical Industry. |
| Proc. Durham Phil. Soc. | Proceedings of the University of Durham Philosophical Society. |
| Proc. Eng. Soc. W. Pa. | Proceedings of the Engineers' Society of Western Pennsylvania. |
| Proc. Imp. Acad. Tokyo | Proceedings of the Imperial Academy (Tokyo). |
| Proc. Indian Acad. Sci. | Proceedings of the Indian Academy of Sciences. |
| Proc. Inst. Auto. Eng. | Proceedings of the Institution of Automobile Engineers. |
| Proc. Inst. Civ. Eng. . | Proceedings of the Institution of Civil Engineers. |
| Proc. Inst. Mech. Eng. | Proceedings of the Institution of Mechanical Engineers. |
| Proc. Inst. Med. Chicago | Proceedings of the Institute of Medicine, Chicago. |
| Proc. Internat. Cong. Soil Sci. | Proceedings of the International Congress of Soil Science. |
| Proc. Internat. Soc. Soil Sci. | Proceedings of the International Society of Soil Science. |
| Proc. K. Akad. Wetensch. Amsterdam | Koninklijke Akademie van Wetenschappen te Amsterdam. Proceedings (English version). |
| Proc. Leningrad Dept. Inst. Fert. | Proceedings of the Leningrad Departmental Institute of Fertilisers. |
| Proc. Muslim Assoc. . | Proceedings of the Muslim Association for the Advancement of Science. |
| Proc. Nat. Acad. Sci.. | Proceedings of the National Academy of Sciences. |
| Proc. Nat. Acad. Sci. India | Proceedings of the National Academy of Sciences of India. |
| Proc. Nova Scotian Inst. Sci. | Proceedings of the Nova Scotian Institute of Science. |
| Proc. Phil. Soc. Glasgow | Proceedings of the Glasgow Philosophical Society. |
| Proc. Physical Soc. . | Proceedings of the Physical Society of London. |
| Proc. Physiol. Soc. . | Proceedings of the Physiological Society. |
| Proc. Roy. Inst. . | Proceedings of the Royal Institution of Great Britain. |
| Proc. Roy. Irish Acad. | Proceedings of the Royal Irish Academy. |
| Proc. Roy. Soc. . | Proceedings of the Royal Society. |
| Proc. Roy. Soc. Edin. | Proceedings of the Royal Society of Edinburgh. |

| ABBREVIATED TITLE. | JOURNAL. |
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| Proc. Roy. Soc. Med.. | Proceedings of the Royal Society of Medicine. |
| Proc. Roy. Soc. Queensland | Proceedings of the Royal Society of Queensland. |
| Proc. Roy. Soc. Tasmania | Proceedings of the Royal Society of Tasmania. |
| Proc. Sci. Assoc., Vizianagram | Proceedings of the Science Association, Maharajah's College, Vizianagram. |
| Proc. Soc. Biol. Chem. India | Proceedings of the Society of Biological Chemists, India. |
| Proc. Soc. Exp. Biol. Med. | Proceedings of the Society for Experimental Biology and Medicine. |
| Proc. Soil Sci. Soc. Amer. | Proceedings of the Soil Science Society of America. |
| Proc. S. Wales Inst. Eng. | Proceedings of the South Wales Institute of Engineers. |
| Proc. Staff Mayo Clin. | Proceedings of the Staff Meetings of the Mayo Clinic. |
| Proc. Tech. Sect. Paper Makers' Assoc. | Proceedings of the Technical Section of the Paper Makers' Association of Great Britain and Ireland. |
| Proc. U.S. Nat. Mus. . | Proceedings of the United States National Museum. |
| Proefstat. Vorstenland. Tabak | Proefstation voor Vorstenlandsche Tabak. |
| Progr. Rept. Fisheries Res. Bd. Canada . | Progress Reports of the Fisheries Research Board of Canada. |
| Prom. Org. Chim. . | Promischlennosti Organitscheskoi Chimii. |
| Protoplasma . . . | Protoplasma. |
| Przemysl Chem. . | Przemysl Chemiczny. |
| Publ. Fac. Sci. Univ. Masaryk | Publications de la Faculté des Sciences de l'Université Masaryk (Spisy vydávané Přírodovědeckou Facultou Masarykovy University). |
| Pulp and Paper Mag. Canada | Pulp and Paper Magazine of Canada. |
| Quart. J. Exp. Physiol. | Quarterly Journal of Experimental Physiology. |
| Quart. J. Geol. Soc. . | Quarterly Journal of the Geological Society. |
| Quart. J. Geol. Soc., India | Quarterly Journal of the Geological, Mining and Metallurgical Society of India. |
| Quart. J. Med. . | Quarterly Journal of Medicine. |
| Quart. J. Micr. Sci. . | Quarterly Journal of Microscopical Science. |
| Quart. J. Pharm. . | Quarterly Journal of Pharmacy and Pharmacology. |
| Quart. J. Speech . | Quarterly Journal of Speech. |
| Quart. Rev. Forest Prod. Labs. Montreal | Quarterly Review of the Forest Products Laboratories, Montreal. |
| Queensland J. Agric.. | Queensland Journal of Agriculture. |
| Radiology . . . | Radiology. |
| Rasāyanam . . . | Rasāyanam. |
| Rayon Text. Month. . | Rayon Textile Monthly. |
| Rayon World . . | Rayon World (Japan). |
| R.C. Atti Acad. Lincei | Atti della Reale Accademia Nazionale dei Lincei. Rendiconti. Classe di Scienze fisiche, matematiche e naturali. |
| Rec. Australian Mus. | Records of the Australian Museum. |
| Rec. trav. bot. Néerland. | Recueil des travaux botaniques Néerlandais. |
| Rec. trav. chim. . | Recueil des travaux chimiques des Pays-Bas. |
| Refiner . . . | Refiner and Natural Gasoline Manufacturer. |
| Rend. Accad. Sci. Fis. Mat. Napoli | Rendiconto dell' Accademia delle Scienze Fisiche e Matematiche, Napoli. |
| Rend. Ist. Lomb. Sci. Lett. | Rendiconti dell' Reale Istituto Lombardo di Scienze e Lettere. |
| R. Ist. San. Pubbl. . | Rendiconti Istituto di Sanità Pubblica. |
| Rensselaer Polyt. Inst. Bull. | Rensselaer Polytechnic Institute Bulletin. |
| Rep. Aust. Assoc. Sci. | Report of the Australian Association for the Advancement of Science. |
| Rep. Brit. Assoc. . | Report of the British Association for the Advancement of Science. |
| Rep. Inst. Sci. Res. Manchoukuo | Report of the Institute of Scientific Research, Manchoukuo. |

| ABBREVIATED TITLE. | JOURNAL. | ABBREVIATED TITLE. | JOURNAL. |
|--|---|--|--|
| Res. Stud. State Coll. Washington | Research Studies of the State College of Washington. | Sci. Quart. Nat. Univ. Peking | Science Quarterly of the National University of Peking. |
| Rev. Aluminium | Revue de l'Aluminium. | Sci. Rep. Hiroshima Tech. Sch. | Scientific Reports of the Hiroshima Higher Technical School. |
| Rev. Assoc. Med. Argent. | Revista de la Asociacion Medica Argentina. | Sci. Rep. Tôhoku | Science Reports, Tôhoku Imperial University. |
| Rev. belge Sci. méd. | Revue belge des Sciences médicales. | Sci. Rep. Tokyo Bunrika Daigaku | Science Reports of the Tokyo Bunrika Daigaku. |
| Rev. Chim. Ind. | Revista de Química Industrial. | Sci. Rep. Tsing Hua Univ. | Science Reports of the National Tsing Hua University. |
| Rev. Chim. pure appl. | Revista de Química pura e applicada, Órgão de Sociedade Portuguesa de Química e Física. | Sci. Sect. Nat. Paint, Var. Assoc. Circ. | Scientific Section, National Paint, Varnish, and Lacquer Association, Inc., Circulars. |
| Rev. Comb. liq. | Revue des Combustibles liquides. | Sci. Trans. Roy. Dubl. Soc. | Scientific Transactions of the Royal Dublin Society. |
| Rev. d'Acoust. | Revue d'Acoustique. | Scot. J. Agric. | Scottish Journal of Agriculture. |
| Rev. d'Orthopéd. | Revue d'Orthopédie. | Seifens.-Ztg. | Seifensieder-Zeitung. |
| Rev. Fac. Cienc. Quím., La Plata | Revista de la Facultad de Ciencias Químicas. | Sewage Works J. | Sewage Works Journal. |
| Rev. Fac. Quím. Ind. Agric. | Revista de la Facultad de Química Industrial y Agrícola. | Sheet Metal Ind. | Sheet Metal Industries. |
| Rev. Fac. Sci. Istanbul | Istanbul Üniversitesi fen Fakültesi Mecmuası. | Siam Sci. Bull. | Siam Science Bulletin. |
| Rev. Gastroenterol. | Review of Gastroenterology. | Siemens Z. | Siemens Zeitschrift. |
| Rev. Gén. Mat. Col. | Revue Générale des Matières Colorantes. | Sitzungsber. Akad. Wiss. Wien | Sitzungsberichte der Kaiserliche Akademie der Wissenschaften in Wien. |
| Rev. Gén. Mat. Plast. | Revue Générale des Matières Plastiques. | Sitzungsber. Heidelberger Akad. Wiss. | Sitzungsberichte der Heidelberger Akademie der Wissenschaften. |
| Rev. l'Ind. Min. | Revue de l'Industrie Minière. | Sitzungsber. Preuss. Akad. Wiss. Berlin | Sitzungsberichte der Preussischen Akademie der Wissenschaften zu Berlin. |
| Rev. Mat. Constr. | La Revue des Matériaux de Construction et de Travaux Publics. | Skand. Arch. Physiol. | Skandinavisches Archiv für Physiologie. |
| Rev. Méd. | Revue de Médecine. | Smithsonian Misc. Coll. | Smithsonian Miscellaneous Collection. |
| Rev. med. Hosp. Gen., Mexico | Revista Médica de Hospital General. | Soap | Soap. |
| Rev. méd. Suisse rom. | Revue Médicale de la Suisse Romande. | Soap Trade Rev. | Soap, Perfumery and Cosmetic Trade Review. |
| Rev. Mét. | Revue de Métallurgie. | Soil Res. | Soil Research. |
| Rev. Microbiol. Appl. | Revue de Microbiologie Appliquée à l'Agriculture, à l'Hygiène, à l'Industrie. | Soil Sci. | Soil Science. |
| Rev. Mod. Physics | Reviews of Modern Physics. | S. Afr. J. Med. Sci. | South African Journal of Medical Sciences. |
| Rev. neurol. | Revue neurologique. | S. Afr. Med. J. | South African Medical Journal. |
| Rev. Phys. Chem. Japan | Review of Physical Chemistry of Japan. | S. African J. Sci. | South African Journal of Science. |
| Rev. Quím. Farm. | Revista de Química e Farmacia. | Sth. Med. J. | Southern Medical Journal. |
| Rev. Sci. Instr. | Review of Scientific Instruments. | Sparwirts. | Sparwirtschaft. |
| Rev. Soc. argent. Biol. | Revista de la Sociedad argentina de Biología. | Sperimentale | Lo Sperimentale. |
| Rev. Soc. Brasil. Quím. | Revista de la Sociedade Brasileira de Química. | Sprechsaal | Sprechsaal für Keramik-Glas-Email. |
| Rev. Tuberc., Paris | Revue de la Tuberculose. | Stahl u. Eisen | Stahl und Eisen. |
| Rev. Univ. Min. | Revue Universelle des Mines. | Stain Tech. | Stain Technology. |
| Rhode Is. med. J. | Rhode Island Medical Journal. | Staz. sper. agr. ital. | Stazioni sperimentali agrarie italiane. |
| Ric. Scient. | Ricerca Scientifica. | Steam Eng. | Steam Engineer. |
| Riv. Biol. | Rivista de Biologia. | Steel | Steel. |
| Rocz. Chem. | Roczniki Chemii organ Polskiego Towarzystwa Chemicznego. | Strahlenther. | Strahlentherapie. |
| Rocz. Nauk Roln. Lesn. | Roczniki Nauk Rolniczych i Leśnych. | Stud. Inst. Divi Thomae | Studies of the Institution Divi Thomae. |
| Rubber Age (London) | Rubber Age, London. | Süddeuts. Apoth.-Ztg. | Süddeutsche Apotheker-Zeitung. |
| Rubber Age (N.Y.) | Rubber Age, New York. | Sugar Bull. | Sugar Bulletin. |
| Rubber Chem. & Tech. | Rubber Chemistry and Technology. | Suomen Kem. | Suomen Kemistilehti Acta Chemica Fennica. |
| Sands, Clays and Min. | Sands, Clays and Minerals. | Superphosphat | Superphosphat. |
| Sang | Le Sang. | Superphosphate | Superphosphate. |
| Sborn. Trud. Ukrain. Chim. Inst. Odessa | Sbornik Trudov Ukrainского Nautschno-Issledova-Telskogo Chimitscheskogo Instituta Odessa. | Surgery | Surgery. |
| Schlagel u. Eisen | Schlagel und Eisen. | Svensk Kem. Tidskr. | Svensk Kemisk Tidskrift. |
| Schweiz. Arch. Neurol. Psychiat. | Schweitzer Archiv für Neurologie und Psychiatrie. | Tasmanian Agric. J. | Tasmanian Agricultural Journal. |
| Schwiz. med. Woch. | Schweizerische medizinische Wochenschrift. | Tech. Kurir | Technikai Kurir. |
| Science | Science. | Tech. in Landw. | Die Technik in der Landwirtschaft. |
| Sci. Agric. | Scientific Agriculture. | Tech. Mitt. Krupp | Technische Mitteilungen Krupp. |
| Sci. and Cult. | Science and Culture. | Tech. Phys. U.S.S.R. | Technical Physics of the U.S.S.R. |
| Sci. et Ind. | Science et Industrie. | Tech. Publ. Tin Res. Counc. | Technical Publications of the International Tin Research and Development Council. |
| Sci. Ind. Rep. Roure-Bertrand Fils | Scientific and Industrial Reports of Roure-Bertrand Fils. | Tech. Rep. Tôhoku | Technology Reports of the Tôhoku Imperial University, Sendai, Japan. |
| Sci. Mem. Univ. Saratov | Scientific Memoirs of the University of Saratov. | Teer u. Bitumen | Teer und Bitumen. |
| Sci. Papers Inst. Phys. Chem. Res. Tokyo | Scientific Papers of the Institute of Physical and Chemical Research, Tokyo. | Tekn. Tidsk. | Teknisk Tidskrift. |
| Sci. Proc. Roy. Dublin Soc. | Scientific Proceedings of the Royal Dublin Society. | Textilber. | Melliand Textilberichte. |
| | | Text. Merc. & Argus. | Textile Mercury and Argus. |
| | | Tids. Kjemi | Tidskrift for Kjemi og Bergvesen. |
| | | Tohoku J. exp. Med. | Tohoku Journal of Experimental Medicine. |
| | | Tonind.-Ztg. | Tonindustrie-Zeitung. |
| | | Trans. Amer. Found. Assoc. | Transactions of the American Foundrymen's Association. |

| ABBREVIATED TITLE. | JOURNAL. | ABBREVIATED TITLE. | JOURNAL. |
|---|---|---------------------------------------|--|
| Trans. Amer. Inst. Chem. Eng. | Transactions of the American Institute of Chemical Engineers. | Univ. Illinois Bull. | University of Illinois Bulletins. |
| Trans. Amer. Inst. Metals | Transactions of the American Institution of Metals. | Upsala Läkforen. | Upsala Läkareförenings Förhandlingar. |
| Trans. Amer. Inst. Min. Met. Eng. | Transactions of the American Institute of Mining and Metallurgical Engineers. | Utah Agric. Coll. Exp. Stat. Bull. | Utah Agricultural College Experiment Station Bulletins. |
| Trans. Amer. Soc. Mech. Eng. | Transactions of the American Society of Mechanical Engineers. | V.D.I. Forschungsheft | Forschung auf dem Gebiete des Ingenieurwesens Forschungsheft. |
| Trans. Amer. Soc. Net. | Transactions of the American Society of Metals. | Vedag Jahrb. | Vedag Jahrbuch. |
| Trans. Bose Res. Inst. | Transactions of the Bose Research Institute, Calcutta. | Verfkroniek | Verfkroniek. |
| Trans. Ceram. Soc. | Transactions of the Ceramic Society. | Verh. Anat. Ges. | Verhandlungen der Anatomischen Gesellschaft (Supplement to Anatomischer Anzeiger). |
| Trans. Dokuchaiev Soil Inst. | Transactions of the Dokuchaiev Soil Institute. | Verh. dtsch. path. Ges. | Verhandlungen der deutschen pathologischen Gesellschaft. |
| Trans. Electrochem. Soc. | Transactions of the Electrochemical Society. | Verh. Geol. Reichsanst. Wien | Verhandlungen der Geologischen Reichsanstalt in Wien. |
| Trans. Faraday Soc. | Transactions of the Faraday Society. | Verh. Ges. deut. Naturforsch. Aertze | Verhandlungen der Gesellschaft deutscher Naturforscher und Aertze. |
| Trans. Inst. Min. Eng. | Transactions of the Institution of Mining Engineers. | Vermont Agric. Exp. Sta. Bull. | Vermont Agricultural Experiment Station Bulletin. |
| Trans. Inst. Min. Met. | Transactions of the Institution of Mining and Metallurgy. | Verre et Silicates Ind. | Verre et Silicates Industriels. |
| Trans. Inst. Plast. Ind. | Transactions of the Institute of the Plastics Industry. | Věstn. Českoslov. Akad. Zemed. | Věstník Československé Akademie Zemědělské. |
| Trans. Inst. Rubber Ind. | Transactions of the Institution of the Rubber Industry. | Vestn. Mikrobiol. | Vestník Mikrobiologii Epidemiologii i Parazitologii. |
| Trans. Leningrad Ind. Res. Inst. | Transactions of the Leningrad Industrial Research Institute. | Vet. J. | Veterinary Journal. |
| Trans. N. Eng. Inst. Min. Mech. Eng. | Transactions of the North of England Institute of Mining and Mechanical Engineers. | Vet. Rec. | Veterinary Record. |
| Trans. New Zealand Inst. | Transactions of the New Zealand Institute. | Virchow's Arch. | Archiv für pathologische Anatomie und Physiologie. |
| Trans. Nova Scotia Inst. Sci. | Transactions of the Nova Scotia Institute of Science. | Virginia (Blacksburg) Exp. Sta. Bull. | Virginia (Blacksburg) Experiment Station Bulletin. |
| Trans. Ophthal. Soc. U.K. | Transactions of the Ophthalmological Society of the United Kingdom. | Virginia Truck Exp. Sta. Bull. | Virginia Truck Experiment Station Bulletin. |
| Trans. Opt. Soc. | Transactions of the Optical Society. | Wärme | Wärme. |
| Trans. Physiol. Inst., Leningrad | Transactions of the Physiological Institute, Leningrad. | Welsh J. Agric. | Welsh Journal of Agriculture. |
| Trans. Roy. Irish Acad. | Transactions of the Royal Irish Academy. | W. Afr. med. J. | West African Medical Journal. |
| Trans. Roy. Soc. Canada | Transactions of the Royal Society of Canada. | Wheat Studies | Wheat Studies of the Food Research Institute. |
| Trans. Roy. Soc. Edin. | Transactions of the Royal Society of Edinburgh. | Wiadom. Farm. | Wiadomości Farmaceutyczne. |
| Trans. Roy. Soc. S. Africa. | Transactions of the Royal Society of South Africa. | Wien. Arch. inn. Med. | Wiener Archiv für innere Medizin. |
| Trans. R. Soc. trop. Med. Hyg. | Transactions of the Royal Society of Tropical Medicine and Hygiene. | Wien. klin. Woch. | Wiener klinische Wochenschrift. |
| Trans. Saratov Univ. | Transactions of the Saratov University (Gelehrte Notizen der Saratover Staats Universität). | Wien. med. Wschr. | Wiener medizinische Wochenschrift. |
| Trans. Union Res. Inst. Cements, U.S.S.R. | Transactions of the Union Research Institute for Cements, U.S.S.R. | Wiss. Veröff. Siemens-Werken | Wissenschaftliche Veröffentlichungen aus den Siemens-Werken. |
| Trop. Agric. | Tropical Agriculturist (Ceylon). | Woch. Brau. | Wochenschrift für Brauerei. |
| Trop. Agric. (Trinidad) | Tropical Agriculture (Trinidad) | World's Paper Tr. Rev. | World's Paper Trade Review. |
| Tsch. Min. Mitt. | Mineralogische und Petrographische Mitteilungen (Zeitschrift für Kristallographie, Mineralogie, und Petrographie, Abteilung B). | World Power | World Power. |
| Tubercle | Tubercle. | Yale J. biol. Med. | Yale Journal of Biological Medicine. |
| U.S. Bur. Mines, Bull., Tech. Papers, and Rept. Invest. | United States Bureau of Mines, Bulletins, Technical Papers, and Reports of Investigations. | Z. anal. Chem. | Zeitschrift für analytische Chemie. |
| U.S. Bur. Plant Ind. | United States Bureau of Plant Industry. | Z. angew. Min. | Zeitschrift für angewandte Mineralogie. |
| U.S. Dept. Agric. Bull. (or Circ.) | United States Department of Agriculture Bulletins (or Circulars). | Z. anorg. Chem. | Zeitschrift für anorganische und allgemeine Chemie. |
| U.S. Hyg. Labor. Bull. | United States Hygienic Laboratory Bulletins. | Z. Augenheilk. | Zeitschrift für Augenheilkunde. |
| U.S.P. | United States Patent. | Z. Biol. | Zeitschrift für Biologie. |
| U.S. Publ. Health Rep. | United States Public Health Reports. | Z. deut. Geol. Ges. | Zeitschrift der deutschen Geologischen Gesellschaft. |
| Ukrain. Biochem. J. | Ukrainian Biochemical Journal. | Z. Elektrochem. | Zeitschrift für Elektrochemie. |
| Ukrain. Chem. J. | Ukrainian Chemical Journal. | Z. Fleisch-Milch-Hyg. | Zeitschrift für Fleisch- und Milch-Hygiene. |
| Union S. Africa Dept. Agric. Bulls. | Union of South Africa Department of Agriculture Bulletins. | Z. ges. Brauw. | Zeitschrift für das gesamte Brauwesen. |
| | | Z. ges. exp. Med. | Zeitschrift für die gesamte experimentelle Medizin. |
| | | Z. ges. Getreidewes. | Zeitschrift für das gesamte Getreidewesen. |
| | | Z. ges. Kälte-Ind. | Zeitschrift für die gesamte Kälte-Industrie. |
| | | Z. ges. Naturwiss. | Zeitschrift für die gesamte Naturwissenschaft. |
| | | Z. ges. Neurol. Psychiat. | Zeitschrift für die gesamte Neurologie und Psychiatrie. |
| | | Z. ges. Schiess- u. Sprengstoffw. | Zeitschrift für das gesamte Schiess- und Sprengstoffwesen. |
| | | Z. Hyg. | Zeitschrift für Hygiene und Infektionskrankheiten. |
| | | Z. Immunitätsforsch. | Zeitschrift für Immunitätsforschung und experimentelle Therapie. |
| | | Z. Instrumkde. | Zeitschrift für Instrumentenkunde. |
| | | Z. Kinderheilk. | Zeitschrift für Kinderheilkunde. |
| | | Z. klin. Med. | Zeitschrift für klinische Medizin. |

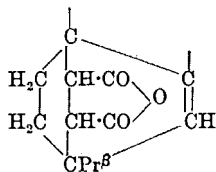
| ABBREVIATED TITLE. | JOURNAL. |
|-------------------------------|--|
| Z. Krebsforsch. | Zeitschrift für Krebsforschung. |
| Z. Kreislaufforsch. | Zeitschrift für Kreislaufforschung. |
| Z. Krist. | Zeitschrift für Kristallographie. |
| Z. Metallk. | Zeitschrift für Metallkunde. |
| Z. Mikr.-Anat. Forsch. | Zeitschrift für mikroskopisch-anatomische Forschung. |
| Z. Morph. | Zeitschrift für Morphologie. |
| Z. öst. Ver. Gas-Wasserfach. | Zeitschrift des österreichischen Vereines von Gas- und Wasserfachmännern. |
| Z. Parasitenk. | Zeitschrift für Parasitenkunde. |
| Z. Pflanzenkr. Pflanzenschutz | Zeitschrift für Pflanzenkrankheiten (Pflanzenpathologie) und Pflanzenschutz. |
| Z. Physik | Zeitschrift für Physik. |
| Z. physikal. Chem. | Zeitschrift für physikalische Chemie. |
| Z. physikal. chem. Unterr. | Zeitschrift für den physikalischen und chemischen Unterricht. |
| Z. physiol. Chem. | Hoppe-Seyler's Zeitschrift für physiologische Chemie. |
| Z. pr. Geol. | Zeitschrift für praktische Geologie. |
| Z. Spiritusind. | Zeitschrift für Spiritusindustrie. |
| Z. tech. Phys. | Zeitschrift für technische Physik. |
| Z. Tierernähr. Futtermittelk. | Zeitschrift für Tierernährung und Futtermittelkunde. |
| Z. Tuberk. | Z. für Tuberkulose. |
| Z. Unters. Lebensm. | Zeitschrift für Untersuchung der Lebensmittel. |
| Z. Ver. deut. Ing. | Zeitschrift Vereins deutscher Ingenieure. |

| ABBREVIATED TITLE. | JOURNAL. |
|------------------------------------|--|
| Z. Ver. deut. Ing. Verfahrenstech. | Zeitschrift des Vereins deutscher Ingenieure Beihefte Verfahrenstechnik. |
| Z. vergl. Physiol. | Zeitschrift für vergleichende Physiologie. |
| Z. Vitaminforsch. | Zeitschrift für Vitaminforschung. |
| Z. Wirts. Zuckerind. | Zeitschrift der Wirtschaftsgruppe Zuckerindustrie (Verein der Deutschen Zucker-Industrie). |
| Z. wiss. Biol. | Zeitschrift für wissenschaftliche Biologie. |
| Z. wiss. Mikrosk. | Zeitschrift für wissenschaftliche Mikroskopie und mikroskopische Technik. |
| Z. wiss. Phot. | Zeitschrift für wissenschaftliche Photographie, Photophysik und Photochemie. |
| Z. Zellforsch. | Zeitschrift für Zellforschung und mikroskopische Anatomie. |
| Z. Zuchtung | Zeitschrift für Zuchtung. |
| Z. Zuckerind. Czecho-slov. | Zeitschrift für die Zuckerindustrie der Cechoslovakischen Republik. |
| Zavod. Lab. | Zavodskaja Laboratorija. |
| Zellstoff u. Papier | Zellstoff und Papier. |
| Zement | Zement. |
| Zentr. Bakt. | Zentralblatt für Bakteriologie, Parasitenkunde und Infektionskrankheiten. |
| Zentr. Min. | Zentralblatt für Mineralogie, Geologie und Paläontologie. |
| Zentr. Neurochir. | Zentralblatt für Neurochirurgie. |
| Zentr. Zuckerind. | Zentralblatt für Zuckerindustrie. |



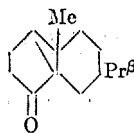
ERRATA.

ABSTRACTS A., 1930.

| Page | Col. | Line. | |
|---|------|------------|--|
| 718 | 2 | 29 | For "—3475" read "—3·475." |
| 1937, I. | | | |
| 34 | 2 | 14 and 25 | For "A. WILLIAMS" read "G. WILLIAMS." |
| 441 | 2 | 26 | After "crystals" insert "containing ionic Ag." |
| 1937, II. | | | |
| In February issue a mistake was made in the pagination. The first page should have been 41, not 43 (i.e. there are no pp. 41—42). | | | |
| 513 | 1 | 31 and 32 | For " <i>o</i> -OH·C ₆ H ₄ ·COMe and <i>o</i> -OH·C ₆ H ₄ ·CO ₂ Me" read "resacetophenone and Me β-resorcyate." |
| 513 | 1 | 3* | For "A., 1937, II, 28, 318" read "A., 1937, I, 318." |
| 1938, I. | | | |
| 4 | 2 | 9* and 11* | For "DAR" read "KAR." |
| 79 | 2 | 19 | For "solutions" read "solutions." |
| 79 | 2 | 9* | For "GUT" read "GUTH." |
| 126 | 1 | 27 | For "JOHODA" read "JAHODA." |
| 183 | 1 | 12* | For "HENNIGER" read "HENNINGER." |
| 185 | 1 | 11* | For "HENNANT-" read "HENNAUT-." |
| 208 | 2 | 17 | For "hypophosphorus" read "hypophosphorous." |
| 241 | 1 | 16 | For "RUSSEL" read "RUSSELL." |
| 265 | 2 | 31 | For "RhS ₂ " read "ReS ₂ ." |
| 284 | 1 | 9 | For "polyhalide" read "polyhalite." |
| 284 | 2 | 3 | For "GÜSSOW" read "GUSSOW." |
| 303 | 1 | 7 | For "untrasonic" read "ultrasonic." |
| 313 | 1 | 1* | For "GLOCKER" read "GLOCKLER." |
| 315 | 2 | 1 | For "chloride" read "chlorine." |
| 403 | 2 | 22* | For "STEACHIE" read "STEACIE." |
| 410 | 1 | 17 | For "W. B. WEISER" read "H. B. WEISER." |
| 525 | 2 | 3* | For "JONES" read "JORIS." |
| 1938, II. | | | |
| 9 | 1 | 24 | For "HIRSCHBERG" read "HERSHBERG." |
| 14 | 2 | 7 | For "RENFREW" read "RENFROW." |
| 22 | 1 | 16 | For "B. K. SANKARAN" read "D. K. SANKARAN." |
| 41 | 2 | 2 | For "TERCHEL" read "JERCHEL." |
| 52 | 1 | 26 | For "CPh ₃ SbCl ₂ " read "SbPh ₃ Cl ₂ ." |
| 74 | 1 | 27, 33 | For "nitronitroso-" and "acetyl nitro-acetonitic acid" read "nitronitroso-" and "acetyl nitroso-acetonitic acid." |
| | | 29 | For "nitronitrosoacetic" read "nitronitrosoacetic." |
| | | 30 | For "—36·6°" read "—3·66°." |
| 106 | 1 | 2* | For "NaOH" read "NaOEt." |
| 106 | 2 | 3 | For "phellandrol" read "phellandral." |
| 109 | 1 | 14 | For (II) read (III). The formula for (III) should be |
|  | | | |
| 130 | 2 | 22 | For "DAVIS" read "DORRIS." |
| 143 | 1 | 22* | For "RENFREW" read "RENFROW." |
| 175 | 1 | 4 and 17 | For "FREUDENBURG" read "FREUDENBERG." |
| 197 | 2 | 29* | For "PHILLINGER" read "PRILLINGER." |
| 221 | 1 | 22* | For "BBAAL" read "BRAAE." |
| 240 | 2 | 20* | For "coumarin" read "coumaran." |
| 250 | 1 | 27* | For "Dephinium" read "Delphinium." |
| 264 | 2 | 29* | For "MELHURN" read "MELHORN." |
| 362 | 1 | 24* | For "1655" read "1565." |
| 394 | 2 | 9* and 8* | For "2 : 3 : 6-trimethyl-d-glycuronic acid" read "2 : 3 : 4-trimethyl-d-glycuronic acid." |
| 395 | 2 | 5 | For "200" read "240." |
| 395 | 2 | 10 | For "cold aq. HCl" read "acid." |

Page. Col. Line.
416 2

The formula given is that of S-guiacazulene. The formula for aromadendrone should be



429 2 27* For "-galacturonic" read "-galactonic."
442 1 8 and 9 For "hydroxy-3:4-diamino-5-l-tetronylacetic acid" read "3:4-diamino-5-l-tetronylethylene glycol," and in the formula replace " $\text{CH}(\text{OH})\cdot\text{CO}_2\text{H}$ " by " $\text{CH}(\text{OH})\cdot\text{CH}_2\cdot\text{OH}$."
450 2 6* For "RINGLER" read "RINGIER."
468 2 7 For "SABATEY" read "SABETAY."
513 2 22 For "-tetrahydroxybyrinite" read "-tetrahydroxybyrine."

1938, III.

9 1 26* For "diesease" read "disease."
13 1 19* For "Myocœdema" read "Myxœdema."
25 1 2 For "LU" read "LÜ."
34 1 5 For "HARP" read "HAYS."
34 2 22* For "GIEDORZ" read "GIEDOSZ."
36 2 29 For "McSHAW" read "McSHAN."
40 1 27 For "prostrate" read "prostate."
46 2 28* For "DE LACHARD" read "DE LACHAUD."
49 1 2* For "prophyrinuria" read "porphyrinuria."
51 2 29* For "DREUT-KEILER" read "ORENT-KEILES."
51 1 2* For "fading" read "feeding."
55 1 14 For "andlt" read "adult."
64 2 25* For "anthelminthics" read "anthelmintics."
75 1 5* For "LIVINGSTONE" read "LIVINGSTON."
85 2 24* For "FISCHER" read "TISCHER."
119 1 17 For "gonadotropic" read "œstrogenic."
133 2 5* For "WIESSNER" read "WIESNER."
135 2 17 For "MASOU" read "MASON."
144 2 3 For "DERRINGTON" read "HERRINGTON."
144 2 3, 13, and 24* For "JAGGE" read "GAGGE."
145 1 3 For "DERRINGTON" read "HERRINGTON."
152 1 7 For "Coscinodiseus" read "Coscinodiscus."
166 2 27 For "LAMBERT" read "LAMBRET."
168 1 15* For "GREGERSON" read "GREGERSEN."
170 1 13 For "LAMBERT" read "LAMBRET."
176 1 21 For "BROUKA" read "BROUHA."
179 2 21* For "J. WOLF" read "H. J. WOLF."
180 1 18 For "DE TAKATO" read "DE TAKÁTS."
221 1 12* For "BROK-KAHN" read "BROH-KAHN."
224 1 20* For "infections" read "infectious."
272 1 20* For "varicose" read "varicose."
276 2 4* For "excitaton" read "excitation."
285 1 19* For "retinometer" read "retinomotor."
297 1 35 For "DITLEUSEN" read "DITLEVSEN."
299 1 2 For "GOLDBERG" read "GOLBERG."
304 1 9 For "cincophen" read "cinchophen."
333 2 30* For "MELEZER" read "MELCZER."
420 1 22 For "SEEGARS" read "SEEGERS."
454 1 22 For "glass" read "gas."
510 1 29 For "PIJOAU" read "PIJOAN."
523 2 14 For "COULFIELD" read "CAULFEILD."
524 2 9 For "MOLITAH" read "MOLITCH."
543 1 21 For "BUNNING" read "BÜNNING."
544 1 8 For "Typhia" read "Typha."
569 2 8* For "guinea-pig" read "rabbit."
580 1 7* After "ova" insert "persist and." After "show" insert "follicular."
591 1 2 For "McKAY" read "McCAY."
602 2 27* For "N. LEWIS" read "M. LEWIS."
609 2 5 For "F. FREUD" read "J. FREUD."
622 2 25 For "MANFRANI" read "MANFRINI."
627 2 3* For "epicotl" read "epicotyl."
635 1 10 For "Hostega" read "Hortega."
636 1 2* For "Turk's" read "Türck's."
642 2 27 For "The intracardiac esters of choline" read "The choline esters extracted from the heart."
646 1 13 For "conical" read "cervical."
646 2 12* For "GÜFFERT" read "GÖFFERT."
649 2 9* and 7* }
650 1 25* } For "cytoarchbetectonics" read "cytoarchitectonics."
650 2 18* and 16* }

| Page. | Col. | Line. | |
|-------|------|-------------|--|
| 659 | 1 | 19* | For "rise" read "fall." |
| 662 | 2 | 7* | For "hormal" read "normal." |
| 673 | 2 | 18 | For "RETTIGER" read "RETTGER." |
| 688 | 2 | 11* | For "piperidomethylbenzdioxan" read "piperidinomethylbenzdioxan." |
| 690 | 1 | 10* | For "tryamine" read "tyramine." |
| 692 | 1 | 26 | For "BYDGEN" read "BYGDEN." |
| 699 | 1 | 19* | For "STEIMAURER" read "STEINMAURER." |
| 710 | 2 | 31 | For "CHRISTIAEUS" read "CHRISTIAENS." |
| 741 | 1 | 29* | For "SCHULTZ" read "SOHLUTZ." |
| 761 | 1 | 15* and 14* | For "where . . . phosphatase" read "which contain no phosphatase." |
| 777 | 2 | 20* | For "THAYER-ROZAT" read "THOYER-ROZAT." |
| 779 | 2 | 10* | For "RHOADES" read "RHOADS." |
| 794 | 1 | 13* | For "R. S. COKE" read "K. S. COLE." |
| 795 | 2 | 3 | For "Toute" read "Route." |
| 810 | 1 | 4 | For "COKE" read "COLE." |
| 823 | 2 | 13 and 17 | For "berberi" read "beriberi." |
| 835 | 1 | 10* | For "BOSQUET" read "BUSQUET." |
| 838 | 2 | 27* | For "venananta" read "venenata." |
| 856 | 2 | 26 | For "EZEIL" read "EZELL." |
| 860 | 1 | 14* | For "jam" read "gum." |
| 916 | 1 | 4 | For "HERMONSON" read "HERMANSON." |
| 970 | 2 | 3* | For "soporofle" read "soporific." |
| 1007 | 1 | 17* | For "AZERARD" read "AZERAD." |
| 1007 | 2 | 27 | For "EADIO" read "EADIE." |
| 1010 | 2 | 7 | For "Druckey" read "Druckrey." |
| 1050 | 1 | 4* | For "Specifity" read "Specificity." |
| 1054 | 2 | 2* | For "BROH-KANN" read "BROH-KAHN." |

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|------|---|-----|---|
| 158 | 2 | 15* | For "Revent" read "Recent." |
| 197 | 2 | 2* | For "recorcinol" read "resorcinol." |
| 213 | 2 | 14 | For "MATUMI" read "MATSUMI." |
| 349 | 2 | 11* | For "cuprammonium" read "cuprammonium." |
| 419 | 2 | 16 | For "butuminous" read "bituminous." |
| 424 | 2 | 23* | For "BRYOM" read "BYROM." |
| 568 | 1 | 17 | For "inhalents" read "inhalants." |
| 604 | 2 | 24 | For "BUTTNER-WERKE" read "BÜTTNER-WERKE." |
| 708 | 1 | 8* | For "root-root" read "root-rot." |
| 738 | 2 | 15* | For "KEATZ" read "KRATZ." |
| 767 | 1 | 15* | For "A. K. SMITH" read "A. L. SMITH." |
| 829 | 1 | 3* | For "GOLDWORTHY" read "GOLDSWORTHY." |
| 894 | 2 | 20* | For "J. A. ERIKSON" read "H. A. ERIKSON." |
| 973 | 2 | 6 | For "actylene" read "acetylene." |
| 1139 | 1 | 25* | For "A. K. SMITH" read "A. L. SMITH." |
| 1156 | 2 | 7* | For "BUSCHING" read "BÜSCHING." |
| 1210 | 2 | 13 | For "STANEY" read "STANLEY." |
| 1436 | 2 | 19* | For "TRX-CHALONS" read "TRY-CHALONS." |
| 1491 | 2 | 1* | For "varities" read "varieties." |
| 1496 | 2 | 30 | For "capra" read "copra." |

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| 269 | 2 | 25* | For "Abbott" read "Abbot." |
| 326 | 1 | 28 | For "Petrov" read "Petrow" |

* From bottom.

